



Malla Reddy Engineering College

(An UGC Autonomous Institution, Approved by AICTE, New Delhi & Affiliated to JNTUH, Hyderabad). Accredited 3rd time by NAAC with 'A++' Grade, Maisammaguda, Medchal - Malkajgiri District, Secunderabad, Telangana State – 500100, www.mrec.ac.in

Department of Information Technology

Date: 07.04.2023


To
The Principal,
Malla Reddy Engineering College (A),
Maisammaguda,
Secunderabad – 500100.

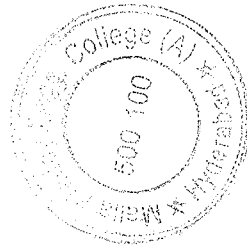
Sub: Seeking permission to conduct the Value Added Course on “MySQL ”- Reg.


Sir,

In connection with the training programs being organized to get knowledge on advanced techniques, we are planning to organize a **Value Added Course** on “MySQL ” in association with **ViHave innovations Pvt Ltd** . Hence, I requested you to grant permission to organizing the **Value Added Course** from 10.04.2023 to 29.04.2023.

Thank you Sir,


Malla Reddy Engineering College
Maisammaguda, Medchal,
(Post Via Kompally), Sec-2ad-500100.




Head of the Dept
Head
Dept. of Information Technology
Malla Reddy Engg. College (A)
Maisammaguda-500 100.



Malla Reddy Engineering College

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DEPARTMENT OF INFORMATION TECHNOLOGY

Date: 07-04-23

CIRCULAR

All the Students of II-II are hereby informed that Value Added Course on “MySQL” from 10.04.2023 to 29.04.2023 is being organized by the Department of Information Technology. The Resource Person for the course is Mr.K.Rambabu, Trainer in ViHave innovations Pvt Ltd. Students are advised to register names to the program coordinator Mrs.Sandhya Vani on or before 10-04-23 and utilize this opportunity to enhance the Skills by attending the program.

The detailed schedule of the program will be displayed in the notice board.


HOD-IT

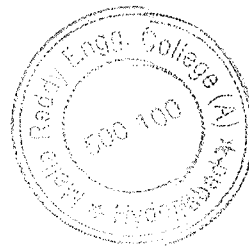
Head

Dept. of Information Technology
Malla Reddy Engg. College (A)
Maisammaguda-500 100.

Copy to:

- 1) Circulation in Students classroom
- 2) All HOD'S
- 3) Notice Boards
- 4) PA to Principal for filling


Principal
Malla Reddy Engineering College
Maisammaguda, Dhulapally,
(Post Via Kompally), Sec-bad-500100.



About the Institution

Malla Reddy Engineering College is an UGC autonomous Institution and is one of the reputed engineering college in Telangana. **MREC** is part of Malla Reddy Group of Institutions (MRGI), founded by Sri. Ch.Malla Reddy. The college is situated in a serene, lush green environment in Maisammaguda, Telangana.

The college was established in 2002 and is an autonomous institution approved by UGC and affiliated to JNTUH. The college is re-accredited by NAAC with 'A++' Grade (III Cycle) and was conferred autonomous status by JNTUH in 2011 and by UGC in 2014 for a period of 6 years. Our eligible UG and PG programs received NBA accreditation and some of them received reaccreditation too. The college caters to wide ranging aspirations and goals of student communities by offering new courses in UG along with programs in various streams of Engineering & Technology and Management. It boasts of world-class infrastructure and well-equipped laboratories in all departments and is skillfully and smartly guided by **Dr.A.Ramaswami Reddy, Principal, MREC** who have a rich teaching and industrial experience.

Advisory Committee:

Chief Patrons: Sri. Ch. Malla Reddy,
Founder Chairman, MRGI

Patrons: Sri.Ch. Mahender Reddy
Secretary, MRGI

Dr.Ch.Bhadra Reddy
President, MRGI

Co-Patrons: Dr.A.Ramaswami Reddy
Principal, MREC(A)

Convener: Dr.M.Deena Babu,
Head of the Dept

Coordinator: Mrs.M.Sandhya Vani
Assistant Professor, IT

Organizing Committee:

Mr.N.Satish Kumar, Assistant Professor, IT

Ms.Rehanna Tabassum, Assistant Professor, IT

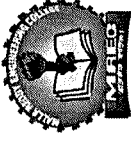
Mr.Kunduru Saidi Reddy, Assistant Professor, IT

Ms.A.Venkat Rami Reddy, Assistant Professor, IT

About the Department:

The Department of Information Technology was established in 2007 with intake of 60 Students and with specific Vision, Mission and Goals. From the day college was affiliated to Jawaharlal Nehru Technological University, Hyderabad (JNTUH) and recognized by AICTE, New Delhi the Department works under the Rules and Regulations JNTUH and AICTE. The course curriculum proposed by the JNTUH will be implemented strictly. However, if required the Department proposes modifications or inclusions of new courses in the curriculum to the JNTUH for consideration.

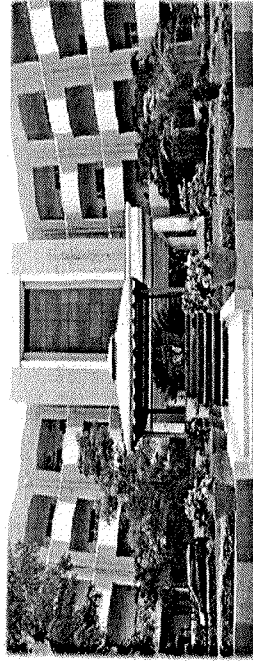
Malla Reddy Engineering College
Maisammaguda, Daulapally,
(Post Via Komandla, Secunderabad-500100)



*A Training Program
(Value Added Course)*

*On
"MySQL"*

(10-04-2023 to 29.04.2023)



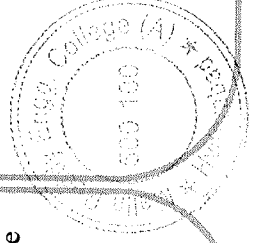
Organized by

Department of AIML

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Department of Information Technology

Value Added Course

On

“MySQL ”

Dates: 10.04.2023 to 29.04.2023

Programme Schedule

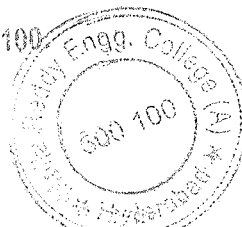
Date	Time	Topic	Resource Person(s)
10.04.2023- 29.04.2023	03.15 PM to 05.15 PM	<ul style="list-style-type: none">• Introduction to Installing MySQL and MySQL Workbench for Beginners• Why Learn SQL From Scratch? The Ultimate MySQL Bootcamp is Worth It!• MySQL Installation Overview• Mac Download - Community Server• Mac Download - MySQL Workbench• PC Download - Community Server + Workbench• Connecting Workbench to the Server• MySQL Workbench Interface• Creating the Maven Movies Database• Introduction to Databases and SQL Querying• Getting to Know the Database• The "Big 6" Statements and Clauses of SQL Queries• The SELECT Statement - Your SQL Querying Starts Here• The FROM Clause-Tell the Server Which Table Your SQL Query Will Pull Data• SELECT * FROM• The USE Statement• Selecting Specific Columns• ASSIGNMENT: SELECT & FROM• SOLUTION: SELECT & FROM• SELECT DISTINCT• ASSIGNMENT: SELECT DISTINCT• SOLUTION: SELECT DISTINCT• The WHERE Clause• Common WHERE Operators, SOLUTION: The WHERE Clause• Combining WHERE & AND• ASSIGNMENT: WHERE & AND• SOLUTION: WHERE & AND• Combining WHERE & OR, ASSIGNMENT: WHERE & OR• SOLUTION: WHERE & OR• Combining WHERE & IN• LIKE Wildcard Examples	viHave innovations pvt ltd kukatpally

- ASSIGNMENT: The LIKE Operator
- SOLUTION: The LIKE Operator
- The GROUP BY Clause, GROUP BY Example
- PRO TIP: Using Comments & Aliases
- ASSIGNMENT: GROUP BY, Multiple Dimension GROUP BY Clauses
- Grouping with Aggregate Functions
- ASSIGNMENT: Aggregate Functions
- SOLUTION: Aggregate Functions
- The HAVING Clause , HAVING Example
- ASSIGNMENT: The HAVING Clause
- SOLUTION: The HAVING Clause
- The ORDER BY Clause, ORDER BY Example
- ASSIGNMENT: The ORDER BY Clause
- SOLUTION: The ORDER BY Clause
- The CASE Statement, CASE Example
- Common CASE Operators
- ASSIGNMENT: The CASE Statement
- SOLUTION: The CASE Statement
- PRO TIP: "Pivoting" with COUNT & CASE
- COUNT & CASE Demo
- ASSIGNMENT: COUNT & CASE, SOLUTION: COUNT & CASE
- Normalization & Cardinality
- Relationship Diagrams
- Multi-Table Querying
- Reviewing the Maven Movies Database
- Common JOIN Types
- INNER JOIN
- INNER JOIN Example, ASSIGNMENT: INNER JOIN SOLUTION: INNER JOIN,
- LEFT JOIN, LEFT JOIN Example, ASSIGNMENT: LEFT JOIN
- SOLUTION: LEFT JOIN
- RIGHT JOIN
- FULL OUTER JOIN
- PRO TIP: "Bridging" Unrelated Tables
- ASSIGNMENT: "Bridging" Tables
- SOLUTION: "Bridging" Tables
- Multi-Condition Joins
- ASSIGNMENT: Multi-Condition Joins
- SOLUTION: Multi-Condition Joins
- The UNION Operator
- UNION Example
- ASSIGNMENT: The UNION Operator
- SOLUTION: The UNION Operator

Coordinator

Principal

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 (Post Via Kompally), Sec-6ad-500100



Head HoD-IT
 Dept. of Information Technology
 Malla Reddy Engg. College (A)
 Maisammaguda-500 100.



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Department of Information Technology

Value Added Course

On

“MySQL ”

Dates: 10.04.2023 to 29.04.2023

Requirements: MySQL Workbench and Community Server for Mac or Windows/PC

Course Contents

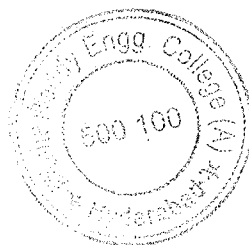
- Introduction to Installing MySQL and MySQL Workbench for Beginners
- Why Learn SQL From Scratch? The Ultimate MySQL Bootcamp is Worth It!
- MySQL Installation Overview
- Mac Download - Community Server
- Mac Download - MySQL Workbench
- PC Download - Community Server + Workbench
- Connecting Workbench to the Server
- MySQL Workbench Interface
- Creating the Maven Movies Database
- Introduction to Databases and SQL Querying
- Getting to Know the Database
- The "Big 6" Statements and Clauses of SQL Queries
- The SELECT Statement - Your SQL Querying Starts Here
- The FROM Clause-Tell the Server Which Table Your SQL Query Will Pull Data
- From
- SELECT * FROM
- The USE Statement
- Selecting Specific Columns
- ASSIGNMENT: SELECT & FROM
- SOLUTION: SELECT & FROM
- SELECT DISTINCT
- ASSIGNMENT: SELECT DISTINCT
- SOLUTION: SELECT DISTINCT
- The WHERE Clause
- Common WHERE Operators, SOLUTION: The WHERE Clause
- Combining WHERE & AND
- ASSIGNMENT: WHERE & AND
- SOLUTION: WHERE & AND
- Combining WHERE & OR, ASSIGNMENT: WHERE & OR
- SOLUTION: WHERE & OR
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Coordinator

Principal

Malla Reddy Engineering College
Maisammaguda, Chhatrapally,
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HOD-IT

Head

Dept. of Information Technology
Malla Reddy Engg. College (A)
Maisammaguda-500 100.



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Department of Information Technology

Value Added Course Enrolled List


MySQL

(10.04.2023 to 29.04.2023)


Sl.No	Roll No	Name
1	21J41A1201	ACHE SAIGANESH
2	21J41A1202	ADEPU AMOGH
3	21J41A1203	ANUGU RUCHITHREDDY
4	21J41A1204	BALLEM JEEVAN KUMAR
5	21J41A1205	BANKALA RAJESH
6	21J41A1206	BILLA RAHUL
7	21J41A1207	BINGI ASHRITH
8	21J41A1208	BODDU SINDHU
9	21J41A1209	BUTHALE KAVERI
10	21J41A1210	C SAI CHARAN VARMA
11	21J41A1211	CH ASISH SAI NARSHAMIN
12	21J41A1212	CHOWDARI SHASHANK
13	21J41A1213	DHARA SWAPNA
14	21J41A1214	EAMANI AMULYA PRIYA
15	21J41A1215	EDULA PRUDHVI SAI
16	21J41A1216	GAMPALA KRISHNA VEENA
17	21J41A1217	GAYAM ANIL KUMAR
18	21J41A1218	GOLI SHIVANI

19	21J41A1219	GRANDHI YATHIN SAI
20	21J41A1220	J RUSHINATH
21	21J41A1221	JAVVAJI SRIMAN GOUD
22	21J41A1222	JOGULA AKASH
23	21J41A1223	KALVA GOPAL
24	21J41A1224	KANDAGATLA SAI SRINIVAS
25	21J41A1225	KANTAMANENI HARINATH
26	21J41A1226	KANTAPPAGARI MEGHANA
27	21J41A1227	KHETAWATH TULSI RAM
28	21J41A1228	KOPURI RAMU
29	21J41A1229	KORLA SOUMYA
30	21J41A1230	KOVI VAMSI KRISHNA
31	21J41A1231	M PRANITHA
32	21J41A1232	MADHURANTAKAM PAVANTEJA
33	21J41A1233	MADISHETTY SHARATH
34	21J41A1234	MARALI SHASHANK PATEL
35	21J41A1235	MOHD SOHAILUDDIN
36	21J41A1236	MOHD ZOEIBUDDIN FAROOQUI
37	21J41A1237	MUDDINENI KRISHNA SAI SAKETH
38	21J41A1238	NAGULA TEJASWINI
39	21J41A1239	NAKKA RAJEEV
40	21J41A1240	O RISHIKESH
41	21J41A1241	P PRANATHI
42	21J41A1242	PAVITRA VAISHNAVI
43	21J41A1243	PEDDILOHITH
44	21J41A1244	PENDAM SAI KRISHNA
45	21J41A1245	PENDEM NITHIN

46	21J41A1246	PITANI JAYASRI
47	21J41A1247	POLEPALLI SAI KUMAR
48	21J41A1248	RAMAVATH KEERTHI
49	21J41A1249	RANGA AKSHAYA
50	21J41A1250	SERI ABHILASH REDDY
51	21J41A1251	SHAIK KARISHMA
52	21J41A1252	SHAIK SAMEER
53	21J41A1253	SILUMULA SANGEETHA
54	21J41A1254	SINGIREDDY PATAK MADHAV REDDY
55	21J41A1255	SIRIPURAM PRASHANTH
56	21J41A1256	SURA VARSHA
57	21J41A1257	TAHA ISHAQ
58	21J41A1258	THATITHOTI VINAY
59	21J41A1259	THIRUNAHARI SHRAVYA
60	21J41A1260	THOKA ANIL GOUD
61	21J41A1261	VADLA NIKITHA
62	21J41A1262	VALLAPU JANAKI RAM
63	21J41A1263	VINNAKOTA SAHITHI MANISHA
64	21J41A1264	VUMMADI SAI BHAVNA
65	21J41A1265	VUPPALA HASINI


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Department of Information Technology
Value Added Course certified students List

MySQL

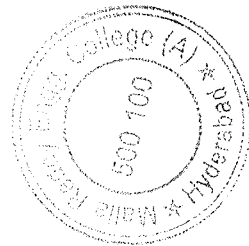
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Value Added Course

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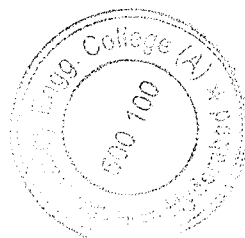
“MySQL”

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1. Introduction
2. Restricting and Sorting Data
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6. Sub Queries
7. Manipulating Data
8. Creating and Managing Tables
9. Including Constarints
10. Views
11. Other Database Objects
12. Index
13. Set Operators


Coordinator

Malla Reddy Engineering College
Maisammaguda, Medchal,
(Post Via Kompally), Sec-abad-500100.




HOD-IT
Head

Dept. of Information Technology
Malla Reddy Engg. College (A)
Maisammaguda-500100.

1. Introduction

Components of SQL statements

Select	
Insert	Data Retrieval
Update	
Delete	
Merge	
Create	
Alter	DML
Drop	
Rename	
Truncate	
Commit	DDL
Rollback	
Save Point	Transaction Control
Grant	
Revoke	DCL

Select Statement: Select statement is used to retrieve the information from database using select statement you can do the following

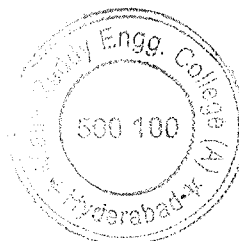
- Projection
- Selection
- Joining

Projection: It is used to choose columns in a table that you want returned by the query.

Selection: It is used to choose rows in a table that you want returned by your query.

Joining: You can choose the join capability in SQL to bring together data that is stored in different tables by creating a link between them.


Principal
Malla Reddy Engineering College
Maisamma, Uthmaniyada,
(Post Via Kompally), Sec-6ad-54, 100.



Note: Selection and projection often considered as horizontal and vertical partitioning.

Syntax: Select *| { [distinct] column| Expression [alias],...} From table

- Select identifies what columns
- From identifies which table
- Always write keywords in uppercase

Selecting all columns:

Select * from employees;

We can also display all columns of all rows by listing column names after the select keyword

Ex: Select department_id, department_name, manager_id, location_id from departments;

Selecting specific columns of all rows:

Ex: Select department_id, location_id from departments;

In this case we can specify the column names in the order in which you want them to appear on the output.

Note: We can also select from pseudo columns a pseudo column behaves like a table column but it is not actually stored in the table you cannot insert or delete values in the pseudo column. Some available pseudo columns are CURRVAL, NEXTVAL, LEVEL, ROWID, ROWNUM.

Arithmetic Expressions: Create expressions with number and date data by using arithmetic operators

Operation	Description
+	Add
-	Substraction
*	Multiply
/	Divide

Ex: Select last_name, salary, salary+300 from employees;

Operator Precedence: *, /, +, -

If the operators within a expression are of same priority then evaluation is done from left to right.

Ex: Select last_name, salary, 12*salary+100 from employees;

Note: use parentheses to reinforce the standard order of precedence and to improve clarity.

Ex: (12*salary)+100 with no change in above result

Note: parentheses are used to override the rules of precedence also

Ex: Select last_name, salary, 12*(salary+100) from employees;

Defining a null value:

A null value is a value that is unavailable, unassigned, unknown or in applicable..

Null is not same as zero or blank space.

Ex: Select last_name,job_id,salary,commission_pct from employees;

Arithmetic expressions containing a null value evaluate to null

Ex: Select last_name, 12*salary*commission_pct from employees;

Defining column aliases:

A column alias

- Renames column heading
- It is useful for calculations

- Immediately followed by the column name, there can also be optional keyword AS keyword between the column name and alias.

- Enclose alias name in double quotations if it contains a special characters such as # or \$ or is case sensitive.

- Column aliases can be used in both select clause and the order by clause you cannot use column aliases in the where clause.

Ex: Select last_name AS name, commission_pct AS comm from employees;

Ex: Select last_name "name", salary*12 "Annual Salary" from employees;

Using concatenation operator:

- concatenates character string or columns to other columns
- It is represented by two vertical bars ||
- Creates resultant column that is a character expression.

Ex: Select last_name || job_id AS "Employees" from employees;

Literal characters strings:

A literal is a character, a number or a date included in the select list.

Date and character literal values must be enclosed within single quotation marks.

Each character string is output once for each row returned

Ex: Select last_name || 'is a' || job_id AS "Employee Details" from employees;

Duplicate Rows:

The default display of queries is all rows including duplicate rows. **Ex:**Select distinct department_id from employees;

Distinct keyword should be used immediately after the select keyword.

Distinct can also be used with multiple columns and it affects all the columns selected

Ex: Select distinct department_id, job_id from employees;

Displaying table structure:

Ex: Desc[ribe] <table name>;

Restricting and sorting data

Limiting the rows selected:

We restrict the rows returned by using the WHERE clause.

```
Select *|[distinct] column/expression [alias],-----}
```

```
From table
```

```
[where condition [s]];
```

where restricts the query to rows that meets the condition

Condition is composed of column names ,expressions constants ,and a comparison operator.

Where consists of three elements.

1. column name
2. comparison condition
3. column name, constant or list of values

Ex: select employee-id , last-name, jod-id, department-id from employees where
Department-id = 90;

Character strings and date values are enclosed in single quotation marks.

Character values are case sensitive ,and date values are format sensitive

The default date format is dd-mon-rr.

Ex: select last-name ,job-id ,department-id from employee where last-name='whalen'

Comparison conditions:

Operator	Meaning
=	Equal to
>	Greater than
>=	Greater than or equal to
<	Less than
<=	Less than or equal to
<>, !=, ^=	Not equal to

Ex: where hire-date ='01-jan-95'.



Using Comparison Conditions:

Ex:Select last-name ,salary from employees where salary <=3000.

Other Comparison Operators:

Operator	Meaning
Between ----- AND-----	Between two values (inclusive)
In (set)	Match any of a list a values

Like	Match a character pattern
Is null	Is a null value

Between: select last_name , salary from employees where salary between 2500 and 3500; while specifying between we must specify the lower limit first.

Between and AND are actually translated by the oracle server to a pair of and conditions (a>=lower limit) AND (a<= higher limit).

Using between and AND has no performance benefits ,and it is used logical simplicity.

IN: It is used to test the values in a list. In condition is also known as member ship condition

Ex: Select employee-id,last-name ,salary,manager-id from employees where manager-id In(100,101,201)

Ex: select employee-id ,manager-id ,department-id from employees where last-name IN ('hartstein','vargas').

Note: If characters or dates are used in a list they must be enclosed in a single quotation marks

In is actually translated by a oracle server to a set of OR conditions a=value1 or a=value2 or a=value3.

Using IN has no performance benefits ,and is used for logical simplicity.

LIKE: it is used for performing wildcard searches of valid search string values.

Search conditions can contain either literal characters or numbers .

% denotes zero or many characters .

- denotes one character or any single character.

Ex: select first – name from employees where first –name like ‘s%’;

The above query returns all the rows whose first letter is uppercase s and it ignores lower case s.

Ex: select last-name , hire-date from employees where hire-date like’%95’;

Displays all the employees who joined between January 95 and December 95.

you can combine pattern – matching characters

Ex: Select last-name from employees where last-name like ‘-0%’

This query displays all the names of the employees whose last name have an 0 as the second character .

You can use the ESCAPE identifier to search for the actual % and – symbols.

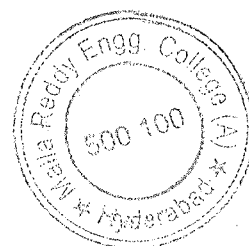
Ex: Select employee-id ,last-name,job-id from employees where job-id like ‘%sa\-%’ escape’\’;

The escape option identifies the backslash(\) as the escape character .in the pattern ,the escape character precedes the underscore(-).this causes the oracle server to interpret the underscore literally.

Null condition:

Select last-name ,manager-id from employees where manager-id is null.

Handwritten signature
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Department of Information Technology

Value Added Course

On

“MySQL”

Date: 29/04/2023

Examination Question Paper

- 1) What is the full form of SQL?
 - a. Structured Query List
 - b. Structure Query Language
 - c. Sample Query Language
 - d. None of these.
- 2) Which of the following is not a valid SQL type?
 - a. FLOAT
 - b. NUMERIC
 - c. DECIMAL
 - d. CHARACTER
- 3) Which of the following is not a DDL command?
 - a. TRUNCATE
 - b. ALTER
 - c. CREATE
 - d. UPDATE
- 4) Which of the following are TCL commands?
 - a. COMMIT and ROLLBACK
 - b. UPDATE and TRUNCATE
 - c. SELECT and INSERT
 - d. GRANT and REVOKE
- 5) Which statement is used to delete all rows in a table without having the action logged?
How to find Nth Highest Salary in SQL
 - a. DELETE
 - b. REMOVE
 - c. DROP
 - d. TRUNCATE
- 6) SQL Views are also known as
 - a. Simple tables
 - b. Virtual tables
 - c. Complex tables
 - d. Actual Tables
- 7) How many Primary keys can have in a table?
 - a. Only 1
 - b. Only 2
 - c. Depends on no of Columns

- d. Depends on DBA
- 8) Which datatype can store unstructured data in a column?
- a. CHAR
 - b. RAW
 - c. NUMERIC
 - d. VARCHAR
- 9) Which of the following is not Constraint in SQL?
- a. Primary Key
 - b. Not Null
 - c. Check
 - d. Union
- 10) Which of the following is not a valid aggregate function?
- a. COUNT
 - b. COMPUTE
 - c. SUM
 - d. MAX
- 11) Which data manipulation command is used to combines the records from one or more tables?
- a. SELECT
 - b. PROJECT
 - c. JOIN
 - d. PRODUCT
- 12) Which operator is used to compare a value to a specified list of values?
- a. ANY
 - b. BETWEEN
 - c. ALL
 - d. IN
- 13) What operator tests column for absence of data
- a. NOT Operator
 - b. Exists Operator
 - c. IS NULL Operator
 - d. None of the above
- 14) In which of the following cases a DML statement is not executed?
- a. When existing rows are modified.
 - b. When a table is deleted.
 - c. When some rows are deleted.
 - d. All of the above
- 15) If we have not specified ASC or DESC after a SQL ORDER BY clause, the following is used by default
- a. DESC
 - b. ASC
 - c. There is no default value
 - d. None of the mentioned
- 16) Which of the following statement is true?
- a. TRUNCATE free the table space while DELETE does not.
 - b. Both TRUNCATE and DELETE statements free the table's space.
 - c. Both TRUNCATE and DELETE statement does not free the table's space.
 - d. DELETE free the table space while TRUNCATE does not.
- 17) What is returned by INSTR ('JAVAT POINT', 'P')?
- a. 6
 - b. 7
 - c. POINT
 - d. JAVAT
- 18) A command that lets you change one or more field in a table is:

- a. INSERT
 - b. MODIFY
 - c. LOOK-UP
 - d. All of the above
- 19) Which of the following is also called an INNER JOIN?
- a. SELF JOIN
 - b. EQUI JOIN
 - c. NON-EQUI JOIN
 - d. None of the above
- 20) Which of the following is true about the HAVING clause?
- a. Similar to the WHERE clause but is used for columns rather than groups.
 - b. Similar to WHERE clause but is used for rows rather than columns.
 - c. Similar to WHERE clause but is used for groups rather than rows.
 - d. Acts exactly like a WHERE clause.
- 21) _____ clause creates temporary relation for the query on which it is defined.
- a. WITH
 - b. FROM
 - c. WHERE
 - d. SELECT
- 22) The SQL statement:
1. SELECT ROUND (65.726, -1) FROM DUAL; prints:
 - a. is illegal
 - b. garbage
 - c. 726
 - d. 70
- 23) Which of the following is true about the SQL AS clause?
- a. The AS clause in SQL is used to change the column name in the output or assign a name to a derived column.
 - b. The SQL AS clause can only be used with the JOIN clause.
 - c. The AS clause in SQL is used to defines a search condition.
 - d. All of the mentioned
- 24) _____ command makes the updates performed by the transaction permanent in the database?
- a. ROLLBACK
 - b. COMMIT
 - c. TRUNCATE
 - d. DELETE
- 25) How can you change "Thomas" into "Michel" in the "LastName" column in the Users table?
- a. UPDATE User SET LastName = 'Thomas' INTO LastName = 'Michel'
 - b. MODIFY Users SET LastName = 'Michel' WHERE LastName = 'Thomas'
 - c. MODIFY Users SET LastName = 'Thomas' INTO LastName = 'Michel'
 - d. UPDATE Users SET LastName = 'Michel' WHERE LastName = 'Thomas'
- 26) Which command is used to change the definition of a table in SQL?
- a. CREATE
 - b. UPDATE
 - c. ALTER
 - d. SELECT
- 27) Which type of JOIN is used to returns rows that do not have matching values?
- a. Natural JOIN
 - b. Outer JOIN

- c. EQUI JOIN
- d. All of the above

28) A CASE SQL statement is _____?

- a. A way to establish a loop in SQL.
- b. A way to establish an IF-THEN-ELSE in SQL
- c. A way to establish a data definition in SQL
- d. All of the above.

29) Which statement is true regarding routines and triggers?

- a. Both run automatically.
- b. Both are stored in the database.
- c. Both consist of procedural code.
- d. Both have to be called to operate.

30) Which statement is true regarding procedures?

- a. They include procedural and SQL statements.
- b. They work similarly to the functions.
- c. It does not need unique names.
- d. It cannot be created with SQL statements.

31) Which of the following is the basic approaches for joining tables?

- a. Union JOIN
- b. Natural JOIN
- c. Subqueries
- d. All of the above

32) Why we need to create an index if the primary key is already present in a table?

- a. Index improves the speed of data retrieval operations on a table.
- b. Indexes are special lookup tables that will be used by the database search engine.
- c. Indexes are synonyms of a column in a table.
- d. All of the above

33) Group of operations that form a single logical unit of work is known as

- a. View
- b. Network
- c. Unit
- d. Transaction

34) Shared locks are applied while performing

- a. Read operations
- b. Write operations
- c. A & B both
- d. None of the above

35) Sequence can generate

- a. Numeric value
- b. Alphanumeric value
- c. A & B both
- d. None of the above

36) A sequence in SQL can generate a maximum number:

- a. 39 digits
- b. 38 digits

- c. 40 digits
- d. 37 digits

37) Which of the following is the correct order of a SQL statement?

- a. SELECT, GROUP BY, WHERE, HAVING
- b. SELECT, WHERE, GROUP BY, HAVING
- c. SELECT, HAVING, WHERE, GROUP BY
- d. SELECT, WHERE, HAVING, GROUP BY

38) What is the difference between a PRIMARY KEY and a UNIQUE KEY?

- a. Primary key can store null value, whereas a unique key cannot store null value.
- b. We can have only one primary key in a table while we can have multiple unique keys
- c. Primary key cannot be a date variable whereas unique key can be
- d. None of these


39) Which of the following are the synonyms for Column and ROW of a table?

- 1. Row = [Tuple, Record]
 - 2. Column = [Field, Attribute]
 - 3. Row = [Tuple, Attribute]
 - 4. Columns = [Field, Record]
- a. 1 and 2
 - b. 3 and 4
 - c. Only 1
 - d. Only 2

40) Which operator is used to compare the NULL values in SQL?

- a. Equal
- b. IN
- c. IS
- d. None of Above


Coordinator


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DEPARTMENT OF INFORMATION TECHNOLOGY

Date: 29.04.2023

Report of Value Added Course on MySQL

A thirty eight days program on MySQL for Data Analytics was organized by the department of Information Technology for II years. The resource person of the programme is Mr.K.Rambabu. The course involves the introduction of MYSQL and the necessary commands to handle the database management system effectively. The event was coordinated by Mrs.M.Sandhya Vani, Asst.Professor, IT Department from 10.04.2023 to 29.04.2023 and 65 students.

After the training programme, the students learned the following,

- MYSQL Installation and Querying.
- Efficient way of using the database using MYSQL.
- Various concepts like constraints, operators, joins.
- Acquired practical knowledge of the tool.

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Department of Information Technology

Value Added Course

On

MySQL

Student Feedback

Name of the Student and Roll No (Optional)	
Year and Semester	2-2
Academic year	2022-23
Name of the Value added course offered	MySQL
Name of the Resource Person	Mr.K.Rambabu
Course Duration	16 Day's

STUDENT FEEDBACK

Dear Student,

You are required to give your feedback on the following aspects. Please tick in the respective column.

Please use the following criteria for giving feedback:

5- Excellent, 4- Very Good, 3- Good, 2- Satisfactory, 1- poor

S.No.	Criteria	Rating				
		Excellent	Very Good	Good	Fair	Satisfactory
1	Course content	✓				
2	Skill development		✓			
3	Motivation	✓				
4	Regular and punctuality of teacher	✓				
5	Coverage of content			✓		
6	Interaction		✓			
7	Individual attention	✓				



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