



## INDIAN SCHOOL AL WADI AL KABIR

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| <b>Class: X</b>       | <b>Department: Computer Science</b>                |
| <b>Worksheet No:2</b> | <b>Topic: Introduction to Database &amp; MYSQL</b> |

### **FILL IN THE BLANKS:**

- 1) RDBMS stands for \_\_\_\_\_.
- 2) A \_\_\_\_\_ is a collection of tables.
- 3) A \_\_\_\_\_ is a matrix with data.
- 4) SQL stands for \_\_\_\_\_.
- 5) \_\_\_\_\_ command is used to list all the databases you have stored.
- 6) \_\_\_\_\_ command is used to open a Database.
- 7) \_\_\_\_\_ command is used to create a table in MySQL.
- 8) \_\_\_\_\_ command is used to list the available Databases in MySQL.
- 9) \_\_\_\_\_ command is used to remove a database from MySQL.
- 10) \_\_\_\_\_ command is used to remove a table from MySQL.
- 11) \_\_\_\_\_ command is used to display the structure of a Table.
- 12) \_\_\_\_\_ clause is used to remove the duplicate values in the table that is associated with select statement.

### **SECTION- B**

#### **MATCH THE FOLLOWING:**

1. DELETE - (a) To Check Condition in Displaying Table.
2. ALTER - (b) To display the structure of a Table.
3. FLOAT - (c) To list the available databases in MySQL.
4. DESC - (d) To display the contents of a Table.
5. WHERE - (e) To remove contents of a Table.
6. SELECT - (f) To modify the structure of a Table.
7. SHOW - (g) Numeric Data Type.

## ANSWER TYPE QUESTION

1. Define SQL?
2. Define: Database and DBMS
3. What do you mean by a Table?
4. List out the commands under DML and their syntax.
5. What is a row and column in a table?
6. Explain update commands with syntax and example.
7. What are the differences between DELETE and DROP commands of SQL?
8. Write the syntax and example for ALTER TABLE -Modify columns.
9. Write any four reasons why MySQL become popular.
10. Define DDL and DML?
11. Give 1 example for aggregate functions (count, max, min, sum).
12. List out the Numeric Data and character Data Types in MySQL.
13. Mr. Peter created a table in MySQL. later on, he found that there should have been another column in the table. Which command should he use to add another column to the table.
- 14.

1) Create a table with following fields with the table name product\_tb

|             |              |
|-------------|--------------|
| productID   | int (10)     |
| productCode | char(3)      |
| name        | varchar(30)  |
| quantity    | int (10)     |
| price       | decimal(7,2) |

2) write the sql command to insert the following values:

| productID | productCode | name    | quantity | price |
|-----------|-------------|---------|----------|-------|
| 1001      | PEN         | PEN RED | 5000     | 1.23  |

3) Write the SQL query to display name, price WHERE price < 1.0

4) Write the SQL query to display the "name" begins with 'PENCIL'

- 5) Write the SQL query to modify quantity column in the table to quantity int(25)
- 6) Write the SQL query to display the "product code " ending with 'EC'
- 7) Write the SQL query to display price of products without duplicate values.
- 8) Write the SQL query to count the number of product with product code is PEN.
- 9) Write the SQL query to display the maximum, minimum, average of price and total quantity of all products.
- 10) Write the SQL query to update product code to PEC for productID 1002.
- 11) Write the SQL query to delete the row where productID =1003
- 12) Write the SQL query to add a column discount with datatype float (10,2)
- 13) Write the SQL query to drop the table employee.