



INDIAN SCHOOL AL WADI AL KABIR

Class: X

Department: Computer Science

Worksheet -1

**Topic: Database concepts and
Introduction to MySQL**

Note: MySQL Topics

Fill in the blanks:

- 1) The _____ of a table are called attributes.
- 2) RDBMS stands for _____.
- 3) A _____ is a collection of tables.
- 4) _____ command is used to open a Database.
- 5) A _____ is a matrix with data.
- 6) SQL stands for _____.
- 7) _____ command is used to list all the tables in a database.
- 8) _____ command is used to list the available Databases in MySQL.
- 9) _____ command is used to remove a table from MySQL.
- 10) _____ command is used to display the structure of a Table.

Match the following:

- | | |
|----------|---|
| 1. DROP | - (a) The rows of a 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 remove a Table. |
| 5. TUPLE | - (e) To modify the structure of a Table. |
| 6. SHOW | - (f) Numeric Data Type. |

Answer type Question

1. What is relation?
2. What is the difference between a tuple and an attribute?
3. Write any two advantages of using database
4. What is SQL?
5. Define : Database and DBMS
6. Define a row and column in a table
7. What are the different categories of SQL Commands?
8. List out the Numeric Data and character Data Types in MySql.
9. What is the difference between delete and drop command
10. Sahil 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.

SECTION D

1. List all possible attribute for a student entity .create a table named student based on it.
2. Create the table employee with following fields.

Field Name	Data type	Size
Empid	Integer	3
EmpName	Char	20
EmpDesg	Char	15

- a) Write the SQL Query to Add a new Field EmpSalary with datatype decimal and size (7,2)
 - b) Write the SQL Query to Display the Structure of the table.
 - c) Write the SQL query to display all tables present in that database.
 - d) Write the SQL query to Drop the Table employee
3. Create the table Hospital with following field.

Field Name	Data type	Size
Phno	Number	8
Name	Char	10
Age	Int	2
Department	Char	15
Charges	Decimal	7,2
Sex	Char	1

- a) Write the SQL query to Describe the structure of table.
- b) Write the SQL query to change the column “Name” as char(20)
- c) Write the SQL query to Add a column Dateofadm with data type date.
- d) Write the SQL query to Drop the column Department.