MySQL Interview Questions

1)What is MySQL?
Ans:MySQL is an open-source relational database management system (RDBMS) that is widely used for managing and storing structured data. It is commonly used in web applications and works on various platforms.

2)What is a database and a table in MySQL?
A database is a collection of organised data, while a table is a structured representation of data within a database. Tables consist of rows and columns, where each row represents a record, and each column represents a data field.

3)How do you create a database in MySQL?
Ans:To create a database in MySQL, you can use the   following SQL command:
CREATE DATABASE your_database_name;

4)How do you create a table in MySQL?
Ans.To create a table in MySQL, you can use the following SQL command:

```
 CREATE TABLE table_name (
   column1 datatype constraints,
   column2 datatype constraints,
   ...
 );
```

5)What are the different data types in MySQL?
Ans.MySQL supports various data types, including:

- Numeric data types (e.g., INT, FLOAT, DOUBLE)
- Character data types (e.g., CHAR, VARCHAR)
- Date and time data types (e.g., DATE, DATETIME, TIMESTAMP)
- Boolean data type (e.g., BOOLEAN, TINYINT)

6)How do you insert data into a table?

You can insert data into a table using the `INSERT INTO` statement:

```
INSERT INTO table_name (column1, column2, ...)
VALUES (value1, value2, ...);
```

7)How do you retrieve data from a table?

You can retrieve data from a table using the `SELECT` statement:

```
SELECT column1, column2, ...
FROM table_name
WHERE condition;
```

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8)What is the primary key in MySQL?

A primary key is a unique identifier for each row in a table. It ensures that each record can be uniquely identified and allows for efficient data retrieval and modification. In MySQL, you can define a primary key using the `PRIMARY KEY` constraint when creating a table.

9)How do you update data in a table?

To update data in a table, you can use the `UPDATE` statement:
```
UPDATE table_name
SET column1 = new_value1, column2 = new_value2, ...
WHERE condition;
```

10)How do you delete data from a table?

To delete data from a table, you can use the `DELETE FROM` statement:

```
DELETE FROM table_name
WHERE condition;
```