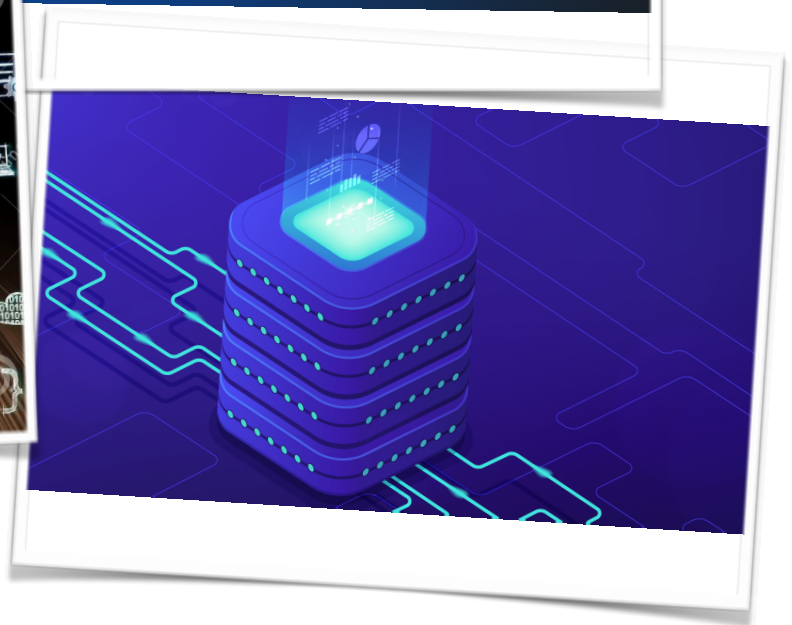


INTRODUCTION TO DATABASE



'Lab 3'

1. Inserting one or multiple values :

Similar to that of 'Lab-1', we can insert any values in a table by using following syntax:

Insert into [Table_Name] (Parameters...) Values(...);

```
mysql> SHOW TABLES;
+-----+
| Tables_in_sandesh_npi000040 |
+-----+
| SANDESH_26                  |
+-----+
1 row in set (0.00 sec)

mysql> INSERT INTO SANDESH_26 VALUES ('USA','77000','2nd');
Query OK, 1 row affected (0.01 sec)

mysql> SELECT * FROM SANDESH_26;
+-----+-----+-----+
| Country | Total_Signatures | Average_Rank |
+-----+-----+-----+
| USA     | 77000            | 2nd          |
+-----+-----+-----+
1 row in set (0.00 sec)

mysql> INSERT INTO SANDESH_26 VALUES ('Brasil','29000','9th'),
-> ('Kenya','39000','19th'),('Portugal','39650','4th');
Query OK, 3 rows affected (0.00 sec)
Records: 3  Duplicates: 0  Warnings: 0

mysql> SELECT * FROM SANDESH_26;
+-----+-----+-----+
| Country | Total_Signatures | Average_Rank |
+-----+-----+-----+
| USA     | 77000            | 2nd          |
| Brasil  | 29000            | 9th          |
| Kenya | 39000            | 19th         |
| Portugal | 39650            | 4th          |
+-----+-----+-----+
4 rows in set (0.00 sec)

mysql> █
```

As shown in the figure above, multiple values are inserted in the table (**SANDESH_26**). Parameters like 'countries', 'Average_Ranks' and 'Total_Signatures' are given and distinctive values are provided to those parameters correspondingly.

2. Selecting columns under particular conditions

In MySQL, a particular column can be chosen by using **SELECT** syntax. i.e,

Select * from [Table_Name] where [Parameter]>= 'condition';

As per the instructions, from the table '**SANDESH_26**', different columns are selected to view particular information from the table. For example,

Select * from **SANDESH_26** where Average_Rank = '9th';

Select Total_Signatures from **SANDESH_26** where Average_Rank = '9th';

Select Country from **SANDESH_26** where Average_Rank != '19th';

```
[mysql> SELECT 'Country' from SANDESH_26 WHERE Average_Rank = '9th';
+-----+
| Country |
+-----+
| Country |
+-----+
1 row in set (0.00 sec)

[mysql> SELECT * from SANDESH_26 WHERE Average_Rank = '9th';
+-----+-----+-----+
| Country | Total_Signatures | Average_Rank |
+-----+-----+-----+
| Brasil  | 29000             | 9th          |
+-----+-----+-----+
1 row in set (0.00 sec)

[mysql> SELECT Total_Signatures from SANDESH_26 WHERE Average_Rank = '9th';
+-----+
| Total_Signatures |
+-----+
| 29000            |
+-----+
1 row in set (0.00 sec)

[mysql> SELECT Country from SANDESH_26 where Average_Rank != '19th';
+-----+
| Country |
+-----+
| USA     |
| Brasil  |
| Portugal|
+-----+
3 rows in set (0.00 sec)

[mysql> SELECT * FROM SANDESH_26 WHERE Total_Signatures between 30000 AND 80000;
+-----+-----+-----+
| Country | Total_Signatures | Average_Rank |
+-----+-----+-----+
| USA     | 77000            | 2nd          |
| Kenya | 39000            | 19th         |
| Portugal| 39650            | 4th          |
+-----+-----+-----+
3 rows in set (0.00 sec)

mysql> █
```

3. Deleting a Particular Table from a database :

To delete a table from a database, we can use following syntax :

TRUNCATE TABLE [Table_Name];

TRUNCATE TABLE SANDESH_26;

```
mysql> DELETE FROM SANDESH_26 WHERE Average_Rank = '19th';
Query OK, 1 row affected (0.00 sec)

mysql> SELECT * FROM SANDESH_26;
+-----+-----+-----+
| Country | Total_Signatures | Average_Rank |
+-----+-----+-----+
| USA     | 77000             | 2nd          |
| Brasil  | 29000             | 9th          |
| Portugal | 39650             | 4th          |
+-----+-----+-----+
3 rows in set (0.00 sec)

mysql> TRUNCATE TABLE SANDESH_26;
Query OK, 0 rows affected (0.01 sec)

mysql> SHOW * FROM SANDESH_26;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '* FROM SANDESH_26' at line 1
mysql> SELECT * FROM SANDESH_26;
Empty set (0.00 sec)

mysql>
```