



# **Experiment No. 1.6**

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Branch: MCA - CCD Section/Group: 22MCD-1/ Grp B

**Semester: III** 

Subject Name: Business Analytical Lab Subject Code: 22CAH-703

1. Aim/Overview of the practical: To create, alter, and drop databases, tables, views, functions and indexes.

2. Code for experiment/practical:

To Create database:

Command: CREATE DATABSE 20043db;

## To Alter database:

Command: ALTER DATABASE 20043db CHARACTER SET= ascii;





# To Drop database:

**Command:** DROP DATABASE 20043db;

## To Create Table:

```
Command: CREATE TABLE Persons(
PersonID int,
LastName varchar(255),
FirstName varchar(255),
Address varchar(255),
City varchar(255)
);
```

```
mysql> USE testdb;
Database changed
mysql> CREATE TABLE Persons (
          PersonID int,
          LastName varchar(255)
          FirstName varchar(255),
          Address varchar(255),
    ->
          City varchar(255)
   ->
   -> );
Query OK, 0 rows affected (0.03 sec)
mysql> INSERT INTO Persons (PersonID, LastName, FirstName, Address, City)
    -> VALUES ( 101, "Singh", "Parvinder", "Punjab", "Chandigarh");
Query OK, 1 row affected (0.01 sec)
mysql> SELECT * FROM Persons;
  PersonID | LastName | FirstName |
                                     Address
                                               City
       101 | Singh
                       | Parvinder | Punjab
                                              Chandigarh
1 row in set (0.01 sec)
```

#### To Create Views:

Command: CREATE VIEW identity AS

SELECT PersonID, FirstName
FROM Persons

WHERE City = "Chandigarh"





```
mysql> CREATE VIEW identity AS
-> SELECT PersonID, FirstName
-> FROM Persons
-> WHERE City = "Chandigarh";
Query OK, 0 rows affected (0.02 sec)

mysql> SELECT * FROM identity;
+-----+
| PersonID | FirstName |
+-----+
| 101 | Parvinder |
+-----+
1 row in set (0.02 sec)
```

#### To Create Function:

**Command:** SELECT FirstName, ASCII(FirstName) AS NumCodeOfFirstChar FROM Persons;

### **To Create Index:**

Command: CREATE INDEX idx pane

On Persons (LastName, FirstName);

# **Learning outcomes (What I have learnt):**

- To Create, Alter and Drop SQL database.
- To Create table, view and index in SQL.