Experiment 1.2

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Branch: **Section/Group:**
Semester: 3RD **Date of Performance:25/08/2022**
Subject Name: DBMS **Subject Code:21CSH-243**

1. Aim/Overview of the practical:

To create a table, insert values in it and run select commands on the table.

2. Task to be done:

1.Create a table.
2.Insert values in the table
3.Run queries on the table and get the output.

3. Theme/Interests definition:

CREATE TABLE student(Id INTEGER(3) PRIMARY KEY, Name VARCHAR(20), Physics INTEGER(3), CS INTEGER(3), City VARCHAR(20), State VARCHAR(20));

```
mysql> USE dbms;
Database changed
mysql> CREATE TABLE student( Id INTEGER(3) PRIMARY KEY, Name VARCHAR(20), Physics INTEGER(3), CS INTEGER(3), City VARCHAR(20), State VARCHAR(20) );
Query OK, 0 rows affected, 3 warnings (0.04 sec)

mysql> SELECT * FROM student;
Empty set (0.00 sec)

mysql>
```

INSERT INTO student VALUES("1","Aditya","88","39","Palampur","Himachal Pradhesh");
INSERT INTO student VALUES("2","Nalin Sood","69","50","Faridabad","Haryana");
INSERT INTO student VALUES("3","Sujay","88","35","Patna","Bihar");
INSERT INTO student VALUES("4","Raghav Sharma","69","69","Kangra","Himachal Pradhesh");
INSERT INTO student VALUES("5","Vidur Chaudhary","88","32","Mandi","Himachal Pradhesh");
INSERT INTO student VALUES("6","Abhay","82","69","Chandigarh","Chandigarh");

```
mysql> INSERT INTO student VALUES("1","Aditya","88","39","Palampur","Himachal Pradhesh");
Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO student VALUES("2","Nalin Sood","69","50","Faridabad","Haryana");
Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO student VALUES("3","Sujay","88","35","Patna","Bihar");
Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO student VALUES("4","Raghav Sharma","69","69","Kangra","Himachal Pradhesh");
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO student VALUES("5","Vidur Chaudhary","88","32","Mandi","Himachal Pradhesh");
Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO student VALUES("6","Abhay","82","69","Chandigarh","Chandigarh");
Query OK, 1 row affected (0.01 sec)

mysql>
```

SELECT Id, Name, Physics, CS, City, State from student WHERE Physics>80 and CS<40 and not City="Chandigarh";

4. Observations/Discussions (For applied/experimental sciences/materials-based labs**):**

```
mysql> SELECT * FROM student;
+----+------------------+---------+------+------------+--------------------+
| Id | Name             | Physics | CS   | City       | State              |
+----+------------------+---------+------+------------+--------------------+
|  1 | Aditya           |      88 |   39 | Palampur   | Himachal Pradhesh  |
|  2 | Nalin Sood       |      69 |   50 | Faridabad  | Haryana            |
|  3 | Sujay            |      88 |   35 | Patna      | Bihar              |
|  4 | Raghav Sharma    |      69 |   69 | Kangra     | Himachal Pradhesh  |
|  5 | Vidur Chaudhary  |      88 |   32 | Mandi      | Himachal Pradhesh  |
|  6 | Abhay            |      82 |   69 | Chandigarh | Chandigarh         |
+----+------------------+---------+------+------------+--------------------+
6 rows in set (0.00 sec)
```

```
mysql> SELECT Id, Name, Physics, CS, City, State from student WHERE Physics>80 and CS<40 and not City="Chandigarh";
+----+-----------------+---------+------+----------+--------------------+
| Id | Name            | Physics | CS   | City     | State              |
+----+-----------------+---------+------+----------+--------------------+
|  1 | Aditya          |      88 |   39 | Palampur | Himachal Pradhesh  |
|  3 | Sujay           |      88 |   35 | Patna    | Bihar              |
|  5 | Vidur Chaudhary |      88 |   32 | Mandi    | Himachal Pradhesh  |
+----+-----------------+---------+------+----------+--------------------+
3 rows in set (0.01 sec)
```

5. Result/Output/Writing Summary:

We have successfully created a table, inserted values in the table and printed the output according to the queries given.

6. Graphs (If Any): Image/Soft copy of graph paper to be attached here:

None

Learning outcomes (What I have learnt):

1.Basic SQL Commands and their implementations.

2. To create a table.

3.To insert values in a table

4.To run DQL Commands on the table data to get desired output

5.To create and Use databases.

Evaluation Grid (To be created as per the SOP and Assessment guidelines by the faculty):

Sr. No.	Parameters	Marks Obtained	Maximum Marks
1.			
2.			
3.			