

## Experiment No.4

Nehaam Khan – 12  
CSE(IOT & CSBT)

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computer@computer: ~  
File Edit View Search Terminal Help  
(base) computer@computer:~$ sudo mysql -u root -p  
Enter password:  
Welcome to the MySQL monitor.  Commands end with ; or \g.  
Your MySQL connection id is 2  
Server version: 5.7.42-0ubuntu0.18.04.1 (Ubuntu)  
  
Copyright (c) 2000, 2023, Oracle and/or its affiliates.  
  
Oracle is a registered trademark of Oracle Corporation and/or its  
affiliates. Other names may be trademarks of their respective  
owners.  
  
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.  
  
mysql> show databases;  
+-----+  
| Database |  
+-----+  
| information_schema |  
| mysql |  
| performance_schema |  
| sys |  
+-----+  
4 rows in set (0.00 sec)  
  
mysql> create database Nehaam;  
Query OK, 1 row affected (0.00 sec)  
  
mysql> use Nehaam  
Database changed  
mysql> CREATE TABLE student(rollno int(3), name varchar(20), address varchar(50), branch varchar(20), mobilen no int(10));  
Query OK, 0 rows affected (0.02 sec)  
  
mysql> DESC student;  
+-----+  
| Field | Type | Null | Key | Default | Extra |  
+-----+  
| rollno | int(3) | YES | | NULL | |  
+-----+
```

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computer@computer: ~  
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mysql> DESC student;  
+-----+  
| Field | Type | Null | Key | Default | Extra |  
+-----+  
| rollno | int(3) | YES | | NULL | |  
| name | varchar(20) | YES | | NULL | |  
| address | varchar(50) | YES | | NULL | |  
| branch | varchar(20) | YES | | NULL | |  
| mobilen no | int(10) | YES | | NULL | |  
+-----+  
5 rows in set (0.01 sec)  
  
mysql> INSERT INTO student VALUES(12, 'Nehaam', 'Mumbai', 'IOT', 9821517523);  
ERROR 1264 (22003): Out of range value for column 'mobilen no' at row 1  
mysql> ALTER TABLE student MODIFY mobilen no int(15);  
Query OK, 0 rows affected (0.00 sec)  
Records: 0 Duplicates: 0 Warnings: 0  
  
mysql> INSERT INTO student VALUES(12, 'Nehaam', 'Mumbai', 'IOT', 9821517523);  
ERROR 1264 (22003): Out of range value for column 'mobilen no' at row 1  
mysql> DESC student;  
+-----+  
| Field | Type | Null | Key | Default | Extra |  
+-----+  
| rollno | int(3) | YES | | NULL | |  
| name | varchar(20) | YES | | NULL | |  
| address | varchar(50) | YES | | NULL | |  
| branch | varchar(20) | YES | | NULL | |  
| mobilen no | int(15) | YES | | NULL | |  
+-----+  
5 rows in set (0.00 sec)  
  
mysql> INSERT INTO student VALUES(12, 'Nehaam', 'Mumbai', 'IOT', 911);  
Query OK, 1 row affected (0.01 sec)  
  
mysql> SELECT *FROM student;  
+-----+
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mysql> SELECT *FROM student;  
+-----+  
| rollno | name | address | branch | mobileno |  
+-----+  
| 12 | Nehaam | Mumbai | IOT | 911 |  
| 12 | Karan | Navi Mumbai | EXTC | 100 |  
| 51 | Uzeb | Thane | AIML | 121 |  
+-----+  
3 rows in set (0.00 sec)  
  
mysql> UPDATE TABLE SET[branch=Computer] WHERE name='Nehaam';  
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 'TABLE SET[branch=Computer] WHERE name='Nehaam'' at line 1  
mysql> UPDATE TABLE SET[branch='Computer'] WHERE name='Nehaam';  
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 'TABLE SET[branch='Computer'] WHERE name='Nehaam'' at line 1  
mysql> UPDATE TABLE SET branch='Computer' WHERE name='Nehaam';  
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 'TABLE SET branch='Computer' WHERE name='Nehaam'' at line 1  
mysql> UPDATE student SET branch='Computer' WHERE name='Nehaam';  
Query OK, 1 row affected (0.01 sec)  
Rows matched: 1 Changed: 1 Warnings: 0  
  
mysql> SELECT *FROM student;  
+-----+  
| rollno | name | address | branch | mobileno |  
+-----+  
| 12 | Nehaam | Mumbai | Computer | 911 |  
| 12 | Karan | Navi Mumbai | EXTC | 100 |  
| 51 | Uzeb | Thane | AIML | 121 |  
+-----+  
3 rows in set (0.00 sec)  
  
mysql> SELECT name,branch FROM student;  
+-----+  
| name | branch |  
+-----+  
| Nehaam | Computer |  
| Karan | EXTC |  
| Uzeb | AIML |  
+-----+
```

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computer@computer: ~  
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to use near 'TABLE SET branch='Computer' WHERE name='Nehaam'' at line 1  
mysql> UPDATE student SET branch='Computer' WHERE name='Nehaam';  
Query OK, 1 row affected (0.01 sec)  
Rows matched: 1 Changed: 1 Warnings: 0  
  
mysql> SELECT *FROM student;  
+-----+  
| rollno | name | address | branch | mobileno |  
+-----+  
| 12 | Nehaam | Mumbai | Computer | 911 |  
| 12 | Karan | Navi Mumbai | EXTC | 100 |  
| 51 | Uzeb | Thane | AIML | 121 |  
+-----+  
3 rows in set (0.00 sec)  
  
mysql> SELECT name,branch FROM student;  
+-----+  
| name | branch |  
+-----+  
| Nehaam | Computer |  
| Karan | EXTC |  
| Uzeb | AIML |  
+-----+  
3 rows in set (0.00 sec)  
  
mysql> DELETE FROM student WHERE name='Karan';  
Query OK, 1 row affected (0.00 sec)  
  
mysql> SELECT *FROM student;  
+-----+  
| rollno | name | address | branch | mobileno |  
+-----+  
| 12 | Nehaam | Mumbai | Computer | 911 |  
| 51 | Uzeb | Thane | AIML | 121 |  
+-----+  
2 rows in set (0.00 sec)  
  
mysql>
```