Experiment No. 7

Nehaam Khan – 12
CSE(IOT &CSBT)


```
computer@computer: ~
File  Edit  View  Search  Terminal  Help
mysql> SELECT *FROM person;
+-----------+--------+--------+---------+
| person_id | name   | salary | address |
+-----------+--------+--------+---------+
|       101 | Aditya |  20000 | Diva    |
|       102 | Divesh |  50000 | Mumbai  |
|       103 | Tanmay |  40000 | Kalyan  |
|       104 | Nehaam |  60000 | Mumbai  |
|       105 | Uzeb   |  45000 | Kalyan  |
+-----------+--------+--------+---------+
5 rows in set (0.00 sec)

mysql> SELECT *FROM student;
+--------+--------+-------------+----------+----------+
| rollno | name   | address     | branch   | mobileno |
+--------+--------+-------------+----------+----------+
|     10 | Karan  | Navi Mumbai | EXTC     |      100 |
|     11 | Divesh | Mumbai      | IOT      |        1 |
|     12 | Nehaam | Mumbai      | Computer |      911 |
|     34 | Aadil  | Mumbra      | DS       |        2 |
|     51 | Uzeb   | Thane       | AIML     |      121 |
+--------+--------+-------------+----------+----------+
5 rows in set (0.00 sec)
```



```
computer@computer: ~
File  Edit  View  Search  Terminal  Help
mysql> select * from person INNER JOIN student ON person.name=student.name;
+-----------+--------+--------+---------+--------+--------+---------+----------+----------+
| person_id | name   | salary | address | rollno | name   | address | branch   | mobileno |
+-----------+--------+--------+---------+--------+--------+---------+----------+----------+
|       102 | Divesh |  50000 | Mumbai  |     11 | Divesh | Mumbai  | IOT      |        1 |
|       104 | Nehaam |  60000 | Mumbai  |     12 | Nehaam | Mumbai  | Computer |      911 |
|       105 | Uzeb   |  45000 | Kalyan  |     51 | Uzeb   | Thane   | AIML     |      121 |
+-----------+--------+--------+---------+--------+--------+---------+----------+----------+
3 rows in set (0.00 sec)

mysql> select * from person LEFT JOIN student ON person.name=student.name;
+-----------+--------+--------+---------+--------+--------+---------+----------+----------+
| person_id | name   | salary | address | rollno | name   | address | branch   | mobileno |
+-----------+--------+--------+---------+--------+--------+---------+----------+----------+
|       102 | Divesh |  50000 | Mumbai  |     11 | Divesh | Mumbai  | IOT      |        1 |
|       104 | Nehaam |  60000 | Mumbai  |     12 | Nehaam | Mumbai  | Computer |      911 |
|       105 | Uzeb   |  45000 | Kalyan  |     51 | Uzeb   | Thane   | AIML     |      121 |
|       101 | Aditya |  20000 | Diva    |   NULL | NULL   | NULL    | NULL     |     NULL |
|       103 | Tanmay |  40000 | Kalyan  |   NULL | NULL   | NULL    | NULL     |     NULL |
+-----------+--------+--------+---------+--------+--------+---------+----------+----------+
5 rows in set (0.00 sec)

mysql> select * from person RIGHT JOIN student ON person.name=student.name;
+-----------+--------+--------+---------+--------+--------+-------------+----------+----------+
| person_id | name   | salary | address | rollno | name   | address     | branch   | mobileno |
+-----------+--------+--------+---------+--------+--------+-------------+----------+----------+
|       102 | Divesh |  50000 | Mumbai  |     11 | Divesh | Mumbai      | IOT      |        1 |
|       104 | Nehaam |  60000 | Mumbai  |     12 | Nehaam | Mumbai      | Computer |      911 |
|       105 | Uzeb   |  45000 | Kalyan  |     51 | Uzeb   | Thane       | AIML     |      121 |
|      NULL | NULL   |   NULL | NULL    |     10 | Karan  | Navi Mumbai | EXTC     |      100 |
|      NULL | NULL   |   NULL | NULL    |     34 | Aadil  | Mumbra      | DS       |        2 |
+-----------+--------+--------+---------+--------+--------+-------------+----------+----------+
5 rows in set (0.00 sec)

mysql> select * from person CROSS JOIN student ON person.name=student.name;
+-----------+--------+--------+---------+--------+--------+---------+----------+----------+
| person_id | name   | salary | address | rollno | name   | address | branch   | mobileno |
+-----------+--------+--------+---------+--------+--------+---------+----------+----------+
```



```
mysql> select * from person CROSS JOIN student ON person.name=student.name;
+-----------+--------+--------+---------+--------+--------+---------+----------+----------+
| person_id | name   | salary | address | rollno | name   | address | branch   | mobileno |
+-----------+--------+--------+---------+--------+--------+---------+----------+----------+
|       102 | Divesh |  50000 | Mumbai  |     11 | Divesh | Mumbai  | IOT      |        1 |
|       104 | Nehaam |  60000 | Mumbai  |     12 | Nehaam | Mumbai  | Computer |      911 |
|       105 | Uzeb   |  45000 | Kalyan  |     51 | Uzeb   | Thane   | AIML     |      121 |
+-----------+--------+--------+---------+--------+--------+---------+----------+----------+
3 rows in set (0.00 sec)
```