**Assignment No. 3**

mysql> show databases;

+--------------------+

| Database |

+--------------------+

| information\_schema |

| mysql |

| Ashok |

| performance\_schema |

| sys |

+--------------------+

5 rows in set (0.00 sec)

mysql> use Ashok;

Database changed

mysql> create table biodata(rollno int, studname varchar(90),Age int, marks int, city varchar(70),class varchar(20), branch varchar(20));

Query OK, 0 rows affected (0.04 sec)

mysql> insert into biodata(rollno, studname, Age, marks, city,class,branch) values(101, Ashok, 20, 78, Paranda, TE, Comp);

ERROR 1054 (42S22): Unknown column 'Ashok' in 'field list'

mysql> insert into biodata(rollno, studname, Age, marks, city,class,branch) values(101, 'Ashok', 20, 78, 'Paranda', 'TE', 'Comp');

Query OK, 1 row affected (0.00 sec)

mysql> insert into biodata(rollno, studname, Age, marks, city,class,branch) values(101, 'Pratik', 20, 93, 'Parbhani', 'T

E', 'Comp');

Query OK, 1 row affected (0.00 sec)

mysql> insert into biodata(rollno, studname, Age, marks, city,class,branch) values(103, 'Suraj', 20, 85, 'Siddhatek', 'T

E', 'Comp');

Query OK, 1 row affected (0.01 sec)

mysql> insert into biodata(rollno, studname, Age, marks, city,class,branch) values(104, 'Ashok', 20, 89, 'Satara', 'TE',

'Comp');

Query OK, 1 row affected (0.01 sec)

mysql> insert into biodata(rollno, studname, Age, marks, city,class,branch) values(105, 'Tejasvi', 20, 87, 'Sawantwadi',

'TE', 'Comp');

Query OK, 1 row affected (0.01 sec)

mysql> insert into biodata(rollno, studname, Age, marks, city,class,branch) values(106, 'Kunal', 20, 81, 'Saswad', 'TE',

'Comp');

Query OK, 1 row affected (0.01 sec)

mysql> select \* from biodata;

+--------+----------+------+-------+------------+-------+--------+

| rollno | studname | Age | marks | city | class | branch |

+--------+----------+------+-------+------------+-------+--------+

| 101 | Ashok | 20 | 78 | Paranda | TE | Comp |

| 101 | Pratik | 20 | 93 | Parbhani | TE | Comp |

| 103 | Suraj | 20 | 85 | Siddhatek | TE | Comp |

| 104 | Ashok | 20 | 89 | Satara | TE | Comp |

| 105 | Tejasvi | 20 | 87 | Sawantwadi | TE | Comp |

| 106 | Kunal | 20 | 81 | Saswad | TE | Comp |

+--------+----------+------+-------+------------+-------+--------+

6 rows in set (0.00 sec)

mysql> update biodata set rollno=102 where studname='Pratik';

Query OK, 1 row affected (0.01 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> select \* from biodata;

+--------+----------+------+-------+------------+-------+--------+

| rollno | studname | Age | marks | city | class | branch |

+--------+----------+------+-------+------------+-------+--------+

| 101 | Ashok | 20 | 78 | Paranda | TE | Comp |

| 102 | Pratik | 20 | 93 | Parbhani | TE | Comp |

| 103 | Suraj | 20 | 85 | Siddhatek | TE | Comp |

| 104 | Ashok | 20 | 89 | Satara | TE | Comp |

| 105 | Tejasvi | 20 | 87 | Sawantwadi | TE | Comp |

| 106 | Kunal | 20 | 81 | Saswad | TE | Comp |

+--------+----------+------+-------+------------+-------+--------+

6 rows in set (0.00 sec)

mysql> select \* from hobies;

+----------+--------------------------------+

| studname | hobbies |

+----------+--------------------------------+

| Ashok | video\_editting |

| Pratik | watching\_Carton |

| Suraj | Doing\_Gymnasium |

| Ashok | Watching\_Serial&Learning\_music |

| Tejasvi | Travelling |

| Kunal | Doing\_Gymnasium |

+----------+--------------------------------+

6 rows in set (0.00 sec)

mysql> select biodata.rollno, biodata.studname, hobies.hobbies from biodata inner join hobies on biodata.studname=hobies

.studname;

+--------+----------+--------------------------------+

| rollno | studname | hobbies |

+--------+----------+--------------------------------+

| 101 | Ashok | video\_editting |

| 102 | Pratik | watching\_Carton |

| 103 | Suraj | Doing\_Gymnasium |

| 104 | Ashok | Watching\_Serial&Learning\_music |

| 105 | Tejasvi | Travelling |

| 106 | Kunal | Doing\_Gymnasium |

+--------+----------+--------------------------------+

6 rows in set (0.00 sec)

mysql> select biodata.rollno, biodata.studname,biodata.Age, biodata.marks, biodata.city, hobies.hobbies from biodata left join hobies on biodata.studname=hobies.studname;

+--------+----------+------+-------+------------+--------------------------------+

| rollno | studname | Age | marks | city | hobbies |

+--------+----------+------+-------+------------+--------------------------------+

| 101 | Ashok | 20 | 78 | Paranda | video\_editting |

| 102 | Pratik | 20 | 93 | Parbhani | watching\_Carton |

| 103 | Suraj | 20 | 85 | Siddhatek | Doing\_Gymnasium |

| 104 | Ashok | 20 | 89 | Satara | Watching\_Serial&Learning\_music |

| 105 | Tejasvi | 20 | 87 | Sawantwadi | Travelling |

| 106 | Kunal | 20 | 81 | Saswad | Doing\_Gymnasium |

+--------+----------+------+-------+------------+--------------------------------+

6 rows in set (0.00 sec)

mysql> insert into hobies(studname, hobbies) values('Sakshi', 'Mehandi');

Query OK, 1 row affected (0.00 sec)

mysql> insert into hobies(studname, hobbies) values('Vaibhavi', 'Drawing');

Query OK, 1 row affected (0.01 sec)

mysql> select biodata.rollno, biodata.studname,biodata.Age, biodata.marks, biodata.city, hobies.hobbies from biodata right join hobies on biodata.studname=hobies.studname;

+--------+----------+------+-------+------------+--------------------------------+

| rollno | studname | Age | marks | city | hobbies |

+--------+----------+------+-------+------------+--------------------------------+

| 101 | Ashok | 20 | 78 | Paranda | video\_editting |

| 102 | Pratik | 20 | 93 | Parbhani | watching\_Carton |

| 103 | Suraj | 20 | 85 | Siddhatek | Doing\_Gymnasium |

| 104 | Ashok | 20 | 89 | Satara | Watching\_Serial&Learning\_music |

| 105 | Tejasvi | 20 | 87 | Sawantwadi | Travelling |

| 106 | Kunal | 20 | 81 | Saswad | Doing\_Gymnasium |

| NULL | NULL | NULL | NULL | NULL | Mehandi |

| NULL | NULL | NULL | NULL | NULL | Drawing |

+--------+----------+------+-------+------------+--------------------------------+

8 rows in set (0.00 sec)

mysql> select biodata.rollno, biodata.studname,biodata.Age, biodata.marks, biodata.city, hobies.hobbies from biodata right join hobies on hobies.studname=biodata.studname;

+--------+----------+------+-------+------------+--------------------------------+

| rollno | studname | Age | marks | city | hobbies |

+--------+----------+------+-------+------------+--------------------------------+

| 101 | Ashok | 20 | 78 | Paranda | video\_editting |

| 102 | Pratik | 20 | 93 | Parbhani | watching\_Carton |

| 103 | Suraj | 20 | 85 | Siddhatek | Doing\_Gymnasium |

| 104 | Ashok | 20 | 89 | Satara | Watching\_Serial&Learning\_music |

| 105 | Tejasvi | 20 | 87 | Sawantwadi | Travelling |

| 106 | Kunal | 20 | 81 | Saswad | Doing\_Gymnasium |

| NULL | NULL | NULL | NULL | NULL | Mehandi |

| NULL | NULL | NULL | NULL | NULL | Drawing |

+--------+----------+------+-------+------------+--------------------------------+

8 rows in set (0.00 sec)

mysql> select biodata.rollno, biodata.studname,biodata.Age, biodata.marks, hobies.hobbies from biodata cross join hobies

;

+--------+----------+------+-------+--------------------------------+

| rollno | studname | Age | marks | hobbies |

+--------+----------+------+-------+--------------------------------+

| 106 | Kunal | 20 | 81 | video\_editting |

| 105 | Tejasvi | 20 | 87 | video\_editting |

| 104 | Ashok | 20 | 89 | video\_editting |

| 103 | Suraj | 20 | 85 | video\_editting |

| 102 | Pratik | 20 | 93 | video\_editting |

| 101 | Ashok | 20 | 78 | video\_editting |

| 106 | Kunal | 20 | 81 | watching\_Carton |

| 105 | Tejasvi | 20 | 87 | watching\_Carton |

| 104 | Ashok | 20 | 89 | watching\_Carton |

| 103 | Suraj | 20 | 85 | watching\_Carton |

| 102 | Pratik | 20 | 93 | watching\_Carton |

| 101 | Ashok | 20 | 78 | watching\_Carton |

| 106 | Kunal | 20 | 81 | Doing\_Gymnasium |

| 105 | Tejasvi | 20 | 87 | Doing\_Gymnasium |

| 104 | Ashok | 20 | 89 | Doing\_Gymnasium |

| 103 | Suraj | 20 | 85 | Doing\_Gymnasium |

| 102 | Pratik | 20 | 93 | Doing\_Gymnasium |

| 101 | Ashok | 20 | 78 | Doing\_Gymnasium |

| 106 | Kunal | 20 | 81 | Watching\_Serial&Learning\_music |

| 105 | Tejasvi | 20 | 87 | Watching\_Serial&Learning\_music |

| 104 | Ashok | 20 | 89 | Watching\_Serial&Learning\_music |

| 103 | Suraj | 20 | 85 | Watching\_Serial&Learning\_music |

| 102 | Pratik | 20 | 93 | Watching\_Serial&Learning\_music |

| 101 | Ashok | 20 | 78 | Watching\_Serial&Learning\_music |

| 106 | Kunal | 20 | 81 | Travelling |

| 105 | Tejasvi | 20 | 87 | Travelling |

| 104 | Ashok | 20 | 89 | Travelling |

| 103 | Suraj | 20 | 85 | Travelling |

| 102 | Pratik | 20 | 93 | Travelling |

| 101 | Ashok | 20 | 78 | Travelling |

| 106 | Kunal | 20 | 81 | Doing\_Gymnasium |

| 105 | Tejasvi | 20 | 87 | Doing\_Gymnasium |

| 104 | Ashok | 20 | 89 | Doing\_Gymnasium |

| 103 | Suraj | 20 | 85 | Doing\_Gymnasium |

| 102 | Pratik | 20 | 93 | Doing\_Gymnasium |

| 101 | Ashok | 20 | 78 | Doing\_Gymnasium |

| 106 | Kunal | 20 | 81 | Mehandi |

| 105 | Tejasvi | 20 | 87 | Mehandi |

| 104 | Ashok | 20 | 89 | Mehandi |

| 103 | Suraj | 20 | 85 | Mehandi |

| 102 | Pratik | 20 | 93 | Mehandi |

| 101 | Ashok | 20 | 78 | Mehandi |

| 106 | Kunal | 20 | 81 | Drawing |

| 105 | Tejasvi | 20 | 87 | Drawing |

| 104 | Ashok | 20 | 89 | Drawing |

| 103 | Suraj | 20 | 85 | Drawing |

| 102 | Pratik | 20 | 93 | Drawing |

| 101 | Ashok | 20 | 78 | Drawing |

+--------+----------+------+-------+--------------------------------+

48 rows in set (0.00 sec)

mysql> SELECT \* FROM hobies WHERE studname = (SELECT studname FROM biodata WHERE rollno=104);

+----------+--------------------------------+

| studname | hobbies |

+----------+--------------------------------+

| Ashok | Watching\_Serial&Learning\_music |

+----------+--------------------------------+

1 row in set (0.00 sec)

mysql> SELECT \* FROM hobies WHERE studname < (SELECT avg(rollno) from biodata);

+----------+--------------------------------+

| studname | hobbies |

+----------+--------------------------------+

| Ashok | video\_editting |

| Pratik | watching\_Carton |

| Suraj | Doing\_Gymnasium |

| Ashok | Watching\_Serial&Learning\_music |

| Tejasvi | Travelling |

| Kunal | Doing\_Gymnasium |

| Sakshi | Mehandi |

| Vaibhavi | Drawing |

+----------+--------------------------------+

8 rows in set, 8 warnings (0.04 sec)

mysql> SELECT \* FROM hobies WHERE studname <= (SELECT avg(rollno) from biodata);

+----------+--------------------------------+

| studname | hobbies |

+----------+--------------------------------+

| Ashok | video\_editting |

| Pratik | watching\_Carton |

| Suraj | Doing\_Gymnasium |

| Ashok | Watching\_Serial&Learning\_music |

| Tejasvi | Travelling |

| Kunal | Doing\_Gymnasium |

| Sakshi | Mehandi |

| Vaibhavi | Drawing |

+----------+--------------------------------+

8 rows in set, 8 warnings (0.00 sec)

mysql> SELECT \* FROM hobies WHERE studname in (SELECT studname from biodata);

+----------+--------------------------------+

| studname | hobbies |

+----------+--------------------------------+

| Ashok | video\_editting |

| Pratik | watching\_Carton |

| Suraj | Doing\_Gymnasium |

| Ashok | Watching\_Serial&Learning\_music |

| Tejasvi | Travelling |

| Kunal | Doing\_Gymnasium |

+----------+--------------------------------+

6 rows in set (0.00 sec)

mysql> SELECT \* FROM hobies WHERE studname not in (SELECT studname from biodata);

+----------+---------+

| studname | hobbies |

+----------+---------+

| Sakshi | Mehandi |

| Vaibhavi | Drawing |

+----------+---------+

2 rows in set (0.00 sec)

mysql> select studname from (select \* from biodata) as A;

+----------+

| studname |

+----------+

| Ashok |

| Pratik |

| Suraj |

| Ashok |

| Tejasvi |

| Kunal |

+----------+

6 rows in set (0.00 sec)

mysql>quit