**EXPERIMENT NO: 6**

**1) UPDATE:**

mysql> UPDATE info SET YEAR='19';

Query OK, 14 rows affected (0.03 sec)

Rows matched: 14 Changed: 14 Warnings: 0

mysql> select \*from info;

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

| ROLL\_NO | NAME | BRANCH | YEAR | CITY | AGE | MATHS | TCS |

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

| 10 | SHIVANI GHUGE | COMPUTER | 19 | MUMBAI | 19 | 80 | 76 |

| 20 | NEHA RAI | COMPUTER | 19 | MUMBAI | 19 | 79 | 78 |

| 30 | MRINALINI BHANDARI | I.T | 19 | MUMBAI | 19 | 78 | 76 |

| 40 | DIPTI PANDHRAM | EXTC | 19 | PUNE | 19 | 77 | 74 |

| 50 | AKASH KHARVI | COMPUTER | 19 | MUMBAI | 19 | 76 | 76 |

| 60 | SHAHID SHAIKH | COMPUTER | 19 | MUMBAI | 19 | 75 | 78 |

| 70 | PRATIK MORE | COMPUTER | 19 | MUMBAI | 19 | 74 | 76 |

| 80 | ROHIT CHAVAN | COMPUTER | 19 | MUMBAI | 19 | 78 | 78 |

| 90 | SONALI DESHPANDE | COMPUTER | 19 | MUMBAI | 19 | 74 | 80 |

| 100 | VANDESH KADGE | COMPUTER | 19 | MUMBAI | 19 | 78 | 78 |

| 110 | ADITYA SHINDE | EXTC | 19 | PUNE | 19 | 79 | 80 |

| 120 | SHYAMPRASAD BALLA | EXTC | 19 | MUMBAI | 19 | 76 | 80 |

| 130 | ZUBEDA IDRISI | COMPUTER | 19 | MUMBAI | 19 | 76 | 80 |

| 140 | SHIVANI GHUGE | COMPUTER | 19 | NULL | NULL | NULL | NULL |

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

14 rows in set (0.00 sec)

**2) DELETE FROM:**

mysql> delete from info where BRANCH ='COMPUTER' AND ROLL\_NO=150;

Query OK, 1 row affected (0.09 sec)

mysql> select \*from info;

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

| ROLL\_NO | NAME | BRANCH | YEAR | CITY | AGE | MATHS | TCS |

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

| 10 | SHIVANI GHUGE | COMPUTER | S.E | MUMBAI | 19 | 80 | 76 |

| 20 | NEHA RAI | COMPUTER | S.E | MUMBAI | 19 | 79 | 78 |

| 30 | MRINALINI BHANDARI | I.T | S.E | MUMBAI | 19 | 78 | 76 |

| 40 | DIPTI PANDHRAM | EXTC | S.E | PUNE | 19 | 77 | 74 |

| 50 | AKASH KHARVI | COMPUTER | S.E | MUMBAI | 19 | 76 | 76 |

| 60 | SHAHID SHAIKH | COMPUTER | S.E | MUMBAI | 19 | 75 | 78 |

| 70 | PRATIK MORE | COMPUTER | S.E | MUMBAI | 19 | 74 | 76 |

| 80 | ROHIT CHAVAN | COMPUTER | S.E | MUMBAI | 19 | 78 | 78 |

| 90 | SONALI DESHPANDE | COMPUTER | S.E | MUMBAI | 19 | 74 | 80 |

| 100 | VANDESH KADGE | COMPUTER | S.E | MUMBAI | 19 | 78 | 78 |

| 110 | ADITYA SHINDE | EXTC | S.E | PUNE | 19 | 79 | 80 |

| 120 | SHYAMPRASAD BALLA | EXTC | S.E | MUMBAI | 19 | 76 | 80 |

| 130 | ZUBEDA IDRISI | COMPUTER | S.E | MUMBAI | 19 | 76 | 80 |

| 140 | SHIVANI GHUGE | COMPUTER | S.E | MUMBAI | 19 | 76 | 76 |

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

14 rows in set (0.00 sec)

**3) WHERE,OR,AND:**

mysql> SELECT NAME FROM info where MATHS=80 OR (MATHS<79 AND MATHS>75);

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

| NAME |

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

| SHIVANI GHUGE |

| MRINALINI BHANDARI |

| DIPTI PANDHRAM |

| AKASH KHARVI |

| ROHIT CHAVAN |

| VANDESH KADGE |

| SHYAMPRASAD BALLA |

| ZUBEDA IDRISI |

| SHIVANI GHUGE |

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

9 rows in set (0.02 sec)

mysql> SELECT NAME,MATHS,TCS FROM info WHERE MATHS>75 OR TCS>75;

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

| NAME | MATHS | TCS |

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

| SHIVANI GHUGE | 80 | 76 |

| NEHA RAI | 79 | 78 |

| MRINALINI BHANDARI | 78 | 76 |

| DIPTI PANDHRAM | 77 | 74 |

| AKASH KHARVI | 76 | 76 |

| SHAHID SHAIKH | 75 | 78 |

| PRATIK MORE | 74 | 76 |

| ROHIT CHAVAN | 78 | 78 |

| SONALI DESHPANDE | 74 | 80 |

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

9 rows in set (0.00 sec)

mysql> SELECT NAME,BRANCH,MATHS FROM info WHERE MATHS>75;

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

| NAME | BRANCH | MATHS |

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

| SHIVANI GHUGE | COMPUTER | 80 |

| NEHA RAI | COMPUTER | 79 |

| MRINALINI BHANDARI | I.T | 78 |

| DIPTI PANDHRAM | EXTC | 77 |

| AKASH KHARVI | COMPUTER | 76 |

| ROHIT CHAVAN | COMPUTER | 78 |

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

6 rows in set (0.00 sec)

**4) PATTERN SEARCHING:**

mysql> SELECT NAME,BRANCH FROM info WHERE NAME like '%E%';

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

| NAME | BRANCH |

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

| SHIVANI GHUGE | COMPUTER |

| NEHA RAI | COMPUTER |

| PRATIK MORE | COMPUTER |

| SONALI DESHPANDE | COMPUTER |

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

4 rows in set (0.00 sec)

mysql> SELECT NAME,BRANCH FROM info WHERE NAME like '\_o%';

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

| NAME | BRANCH |

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

| ROHIT CHAVAN | COMPUTER |

| SONALI DESHPANDE | COMPUTER |

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

2 rows in set (0.00 sec)

**5) ORACLE FUNCTIONS:**

mysql> SELECT AVG(MATHS),MIN(TCS),MAX(TCS),COUNT(MATHS) FROM info;

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

| AVG(MATHS) | MIN(TCS) | MAX(TCS) | COUNT(MATHS) |

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

| 76.7778 | 74 | 80 | 9 |

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

1 row in set (0.00 sec)

mysql> SELECT YEAR,AVG(MATHS) FROM info WHERE AGE=19;

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

| YEAR | AVG(MATHS) |

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

| S.E | 76.7778 |

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

1 row in set (0.00 sec)

**6) SORTING DATA:**

mysql> SELECT NAME,MATHS,TCS FROM info ORDER BY MATHS DESC ;

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

| NAME | MATHS | TCS |

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

| SHIVANI GHUGE | 80 | 76 |

| NEHA RAI | 79 | 78 |

| MRINALINI BHANDARI | 78 | 76 |

| ROHIT CHAVAN | 78 | 78 |

| DIPTI PANDHRAM | 77 | 74 |

| AKASH KHARVI | 76 | 76 |

| SHAHID SHAIKH | 75 | 78 |

| PRATIK MORE | 74 | 76 |

| SONALI DESHPANDE | 74 | 80 |

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

9 rows in set (0.00 sec)