EXPERIMENT-4

AIM : To create/perform relational set operations(i.e UNION UNIONALL,INTERSECT,MINUS,CROSS JOIN,NATURAL   , JOIN.)

Creating tables :

```
SQL-CSE530>CREATE TABLE personal_data(
  2   name VARCHAR(10),
  3   age NUMBER,
  4   gender VARCHAR(10),
  5   job VARCHAR(10),
  6   salary NUMBER,
  7   PRIMARY KEY(name)
  8   );

Table created.

SQL-CSE530>CREATE TABLE information (
  2   name VARCHAR(10) NOT NULL,
  3   roll_no NUMBER NOT NULL,
  4   dept VARCHAR(10) NOT NULL,
  5   year NUMBER,
  6   block VARCHAR(8),
  7   PRIMARY KEY(roll_no)
  8   );

Table created.
```

Inserting values into **personal_data** table :

```
SQL-CSE530>INSERT INTO personal_data VALUES('Jagadeesh',19,'male','student',250000);

1 row created.

SQL-CSE530>INSERT INTO personal_data VALUES('venkat',20,'male','DENTIST',350000);

1 row created.

SQL-CSE530>INSERT INTO personal_data VALUES('basha',18,'male','driver',150000);

1 row created.

SQL-CSE530>INSERT INTO personal_data VALUES('baba',17,'male','owner',350000);

1 row created.
```

Inserting values into **information** table :

```
SQL-CSE530>INSERT INTO information VALUES('baba',509,'CSE',4,'A');

1 row created.

SQL-CSE530>INSERT INTO information VALUES('Jagadeesh',530,'CSE',1,'A');

1 row created.

SQL-CSE530>INSERT INTO information VALUES('arun',507,'CSE',1,'B');

1 row created.

SQL-CSE530>INSERT INTO information VALUES('balaji',510,'CSE',2,'main');

1 row created.

SQL-CSE530>INSERT INTO information VALUES('tauheed',547,'CSE',1,'C');

1 row created.
```

Union operation :

```
SQL-CSE530>SELECT name from personal_data
  2   UNION
  3   SELECT name FROM information;

NAME
----------
Jagadeesh
arun
baba
balaji
basha
tauheed
venkat

7 rows selected.
```

Union all operation :

```
SQL-CSE530>SELECT name from personal_data
  2   UNION ALL
  3   SELECT name FROM information;

NAME
----------
Jagadeesh
venkat
basha
baba
baba
Jagadeesh
arun
balaji
tauheed

9 rows selected.
```

Intersect operation :

```
SQL-CSE530>SELECT name from personal_data
  2   INTERSECT
  3   SELECT name FROM information;

NAME
----------
Jagadeesh
baba
```

Minus operation :

```
SQL-CSE530>SELECT name from personal_data
  2   MINUS
  3   SELECT name FROM information;

NAME
----------
basha
venkat
```