

## 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
```