PRETHIVRAJ GS
2023503009
SET OPERATIONS

1.union:
SQL> select name from students union select name from lateral1;
NAME

AGNES
ASWIN
BAIYTA
GSP
JAGAN
KAVIN
PRANESH
SANTHOSH
VETRI
santhosh

10 rows selected.
SQL> select 'gsp' as name, 99 as marks,'palacode' as city from dual union select 'sam' as name ,90 as marks,'chennai' as city from dual;

```
NAM      MARKS CITY
--- ---------- --------
gsp         99 palacode
sam         90 chennai
```

```
DEPARTMENT_ID MANAGER_ID
------------- ----------
           10        101
           10        200
           20        100
           20        201
           30        100
           30        114
           40        101
           40        203
           50        100
           50        120
           50        121
```

```
DEPARTMENT_ID MANAGER_ID
------------- ----------
           50        122
           50        123
           50        124
           60        102
           60        103
           70        101
           70        204
           80        100
           80        145
           80        146
           80        147
```

```
DEPARTMENT_ID MANAGER_ID
------------- ----------
           80        148
           80        149
           90        100
           90
          100        101
          100        108
```

```
            110       101
            110       102
            110       205
            120
            130

DEPARTMENT_ID MANAGER_ID
------------- ----------
            140
            150
            160
            170
            180
            190
            200
            210
            220
            230
            240

DEPARTMENT_ID MANAGER_ID
------------- ----------
            250
            260
            270
                      149

48 rows selected.

2.intersect:
SQL> select name from students intersect select name from lateral1;

NAME
--------------------
JAGAN
KAVIN
PRANESH
SANTHOSH

SQL> select 'gsp' as name, 99 as marks,'palacode' as city from dual intersect
select 'sam' as name ,90 as marks,'chennai' as city from dual;

no rows selected
SQL> select department_id ,manager_id from departments1 intersect select
department_id,manager_id from employees1;

DEPARTMENT_ID MANAGER_ID
------------- ----------
           20        201
           30        114
           50        121
           60        103
           80        145
           90        100
          100        108
          110        205

8 rows selected.

3.minus
SQL> select name from students minus select name from lateral1;

NAME
--------------------
```

```
AGNES
ASWIN
BAIYTA
GSP
VETRI

SQL> select name from lateral1 minus select name from students;

NAME
--------------------
santhosh

4.union all
SQL> select name from lateral1 union all select name from students;

NAME
--------------------
PRANESH
JAGAN
KAVIN
SANTHOSH
santhosh
GSP
PRANESH
JAGAN
AGNES
BAIYTA
KAVIN

NAME
--------------------
ASWIN
VETRI
SANTHOSH

14 rows selected.

5. CROSS JOIN:
SQL> select* from city cross join region;

NAME                 CITY_ID    REG_ID REG_NAME                 NAME
-------------------- ---------- ---------- ------------------------
--------------------
CHENNAI                 101        101 north                    delhi
MUMBAI                  102        101 north                    delhi
DELHI                   103        101 north                    delhi
KOLKATA                 104        101 north                    delhi
BENGALURU               105        101 north                    delhi
CHENNAI                 101        102 south                    chennai
MUMBAI                  102        102 south                    chennai
DELHI                   103        102 south                    chennai
KOLKATA                 104        102 south                    chennai
BENGALURU               105        102 south                    chennai
CHENNAI                 101        103 east                     kolkata

NAME                 CITY_ID    REG_ID REG_NAME                 NAME
-------------------- ---------- ---------- ------------------------
--------------------
MUMBAI                  102        103 east                     kolkata
DELHI                   103        103 east                     kolkata
KOLKATA                 104        103 east                     kolkata
BENGALURU               105        103 east                     kolkata
CHENNAI                 101        104 west                     mumbai
MUMBAI                  102        104 west                     mumbai
```

```
DELHI                    103        104 west                    mumbai
KOLKATA                  104        104 west                    mumbai
BENGALURU                105        104 west                    mumbai

20 rows selected.
```