**OUTPUT:**

## SQL - JOIN OPERATION

**SQL>** CREATE TABLE STUD(ROLLNO NUMBER(5), NAME VARCHAR(20), AGE NUMBER(4));

Table created.

**SQL**> INSERT INTO STUD VALUES(101,'AJAY',18);

1 row created.

**SQL**> INSERT INTO STUD VALUES(102,'BJOY',17);

1 row created.

**SQL**> INSERT INTO STUD VALUES(103,'DAVID',20);

1 row created.

**SQL**> INSERT INTO STUD VALUES(104,'VIRAT',19);

1 row created.

**SQL**> CREATE TABLE COURSE(ID NUMBER(3), ROLLNO NUMBER(5));

Table created.

**SQL**> INSERT INTO COURSE VALUES(1,101);

1 row created.

**SQL**> INSERT INTO COURSE VALUES(1,102);

1 row created.

**SQL**> INSERT INTO COURSE VALUES(3,103);

1 row created.

**SQL**> INSERT INTO COURSE VALUES(3,107);

1 row created.

**SQL**> INSERT INTO COURSE VALUES(5,109);

1 row created.

```
SQL> SELECT COURSE.ID,STUD.NAME,STUD.AGE FROM STUD INNER JOIN COURSE ON
  2  STUD.ROLLNO=COURSE.ROLLNO;

  ID         NAME                 AGE
-------- -------------------- ----------
   1          AJAY                 18
   1          BJOY                 17
   3          DAVID                20

SQL> SELECT COURSE.ID,STUD.NAME,STUD.AGE FROM STUD LEFT JOIN COURSE ON
  2   STUD.ROLLNO=COURSE.ROLLNO;

  ID         NAME                 AGE
-------- -------------------- ----------
   1          AJAY                 18
   1          BJOY                 17
   3          DAVID                20
              VIRAT                19

SQL> SELECT COURSE.ID,STUD.NAME,STUD.AGE FROM STUD RIGHT JOIN COURSE ON
  2  STUD.ROLLNO=COURSE.ROLLNO;

  ID         NAME                 AGE
-------- -------------------- ----------
   1          AJAY                 18
   1          BJOY                 17
   3          DAVID                20
   5
   3

6 rows selected.
```

# SQL - SET OPERATION

**SQL**> CREATE TABLE EXAM_1(SNO NUMBER(3), SUBJECT VARCHAR(15));

Table created.

**SQL**> CREATE TABLE EXAM_2(SNO NUMBER(3), SUBJECT VARCHAR(15));

Table created.

**SQL**> INSERT INTO EXAM_1 VALUES(1,'JAVA');

1 row created.

**SQL**> INSERT INTO EXAM_1 VALUES(2,'PYTHON');

1 row created.

**SQL**> INSERT INTO EXAM_1 VALUES(3,'UNIX');

1 row created.

**SQL**> INSERT INTO EXAM_2 VALUES(1,'TAMIL');

1 row created.

**SQL**> INSERT INTO EXAM_2 VALUES(2,'ENGLISH');

1 row created.

**SQL**> INSERT INTO EXAM_2 VALUES(3,'PYTHON');

1 row created.

**SQL**> SELECT SUBJECT FROM EXAM_1 UNION SELECT SUBJECT FROM EXAM_2;

SUBJECT
---
JAVA
PYTHON
UNIX
TAMIL
ENGLISH

5 rows selected.

**SQL**> SELECT SUBJECT FROM EXAM_1 UNION ALL SELECT SUBJECT FROM EXAM_2;

SUBJECT
---
JAVA
PYTHON
UNIX
TAMIL
ENGLISH
PYTHON

6 rows selected.

**SQL**> SELECT SUBJECT FROM EXAM_1 INTERSECT SELECT SUBJECT FROM EXAM_2;

SUBJECT
---
PYTHON

1 row selected.

**SQL**> SELECT SUBJECT FROM EXAM_1 MINUS SELECT SUBJECT FROM EXAM_2;

SUBJECT
---
JAVA
UNIX