

EXP-4

CREATING TABLE :-

```
CSE_LE@234G5A0502>CREATE TABLE instructor(  
 2     ins_id NUMBER(10) PRIMARY KEY,  
 3     ins_name VARCHAR2(25) NOT NULL,  
 4     dep_name VARCHAR2(10) NOT NULL,  
 5     salary NUMBER(10,0)  
 6 );
```

Table created.

```
CSE_LE@234G5A0502>CREATE TABLE departments(  
 2     dep_id NUMBER(10) PRIMARY KEY,  
 3     dep_name VARCHAR2(10) NOT NULL,  
 4     building VARCHAR2(10) NOT NULL,  
 5     budget NUMBER(10)  
 6 );
```

Table created.

```
CSE_LE@234G5A0502>SELECT * FROM INSTRUCTOR;
```

INS_ID	INS_NAME	DEP_NAME	SALARY
1	Suresh	cse	40000
2	Mahesh	csd	37000
3	Aravind	csm	20000
4	Jagadeesh	cse	50000
5	Raju	physics	20000
6	Somesh	EEE	30000
7	Ravi	civil	35000

7 rows selected.

```
CSE_LE@234G5A0502>SELECT * FROM departments;
```

DEP_ID	DEP_NAME	BUILDING	BUDGET
1	cse	gandhi	3500000
2	csm	b_block	1000000
3	ECE	d_block	1500000
4	EEE	c_block	2000000

UNION OPERATION :-

```
CSE_LE@234G5A0502>SELECT dep_name FROM instructor
2      UNION
3      SELECT dep_name FROM departments;
```

DEP_NAME

ECE

EEE

civil

csd

cse

csm

physics

7 rows selected.

UNION ALL OPERATION :-

```

CSE_LE@234G5A0502>SELECT dep_name FROM instructor
  2      UNION ALL
  3      SELECT dep_name FROM departments;

DEP_NAME
-----
cse
csd
csm
cse
physics
EEE
civil
cse
csm
ECE
EEE

11 rows selected.

```

INTERSECT :-

```

CSE_LE@234G5A0502>SELECT dep_name FROM instructor
  2      INTERSECT
  3      SELECT dep_name FROM departments;

DEP_NAME
-----
EEE
cse
csm

```

MINUS :-

```
CSE_LE@234G5A0502>SELECT dep_name FROM departments
2      MINUS
3      SELECT dep_name FROM instructor;
```

```
DEP_NAME
-----
ECE
```

```
CSE_LE@234G5A0502>SELECT i.ins_name,d.dep_name,d.budget FROM instructor i,departments d;
```

INS_NAME	DEP_NAME	BUDGET
Suresh	cse	3500000
Mahesh	cse	3500000
Aravind	cse	3500000
Jagadeesh	cse	3500000
Raju	cse	3500000
Somesh	cse	3500000
Ravi	cse	3500000
Suresh	csm	1000000
Mahesh	csm	1000000
Aravind	csm	1000000
Jagadeesh	csm	1000000

INS_NAME	DEP_NAME	BUDGET
Raju	csm	1000000
Somesh	csm	1000000
Ravi	csm	1000000
Suresh	ECE	1500000
Mahesh	ECE	1500000
Aravind	ECE	1500000
Jagadeesh	ECE	1500000
Raju	ECE	1500000
Somesh	ECE	1500000
Ravi	ECE	1500000
Suresh	EEE	2000000

INS_NAME	DEP_NAME	BUDGET
Mahesh	EEE	2000000
Aravind	EEE	2000000
Jagadeesh	EEE	2000000
Raju	EEE	2000000

CROSS JOIN :-

```
CSE_LE@234G5A0502>SELECT i.ins_name,d.dep_name,d.budget FROM instructor i CROSS JOIN departments d;
```

INS_NAME	DEP_NAME	BUDGET
Suresh	cse	3500000
Mahesh	cse	3500000
Aravind	cse	3500000
Jagadeesh	cse	3500000
Raju	cse	3500000
Somesh	cse	3500000
Ravi	cse	3500000
Suresh	csm	1000000
Mahesh	csm	1000000
Aravind	csm	1000000
Jagadeesh	csm	1000000

INS_NAME	DEP_NAME	BUDGET
Raju	csm	1000000
Somesh	csm	1000000
Ravi	csm	1000000
Suresh	ECE	1500000
Mahesh	ECE	1500000
Aravind	ECE	1500000
Jagadeesh	ECE	1500000
Raju	ECE	1500000
Somesh	ECE	1500000
Ravi	ECE	1500000
Suresh	EEE	2000000

INS_NAME	DEP_NAME	BUDGET
Mahesh	EEE	2000000
Aravind	EEE	2000000
Jagadeesh	EEE	2000000
Raju	EEE	2000000

NATURAL JOIN :-

```
CSE_LE@234G5A0502>SELECT i.ins_name,dep_name,d.budget FROM instructor i NATURAL JOIN departments d;
```

INS_NAME	DEP_NAME	BUDGET
Suresh	cse	3500000
Aravind	csm	1000000
Jagadeesh	cse	3500000
Somesh	EEE	2000000

```
CSE_LE@234G5A0502>
```