

LAB # 9 Tasks

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01-134192-030

BSCS-4B

1. Find the emp names who is working in a department.

```
SQL> /* MALIK ZOHAIB MUSTAFA */
SQL> /* 01-134192-030 */
SQL> /* BSCS-4B */
SQL> CREATE TABLE ZEEEMPLOYEE
  2  (
  3    EMPNO INT,
  4    ENAME VARCHAR(20),
  5    EADDRESS VARCHAR(50),
  6    CONSTRAINT ZEEEMP_PK PRIMARY KEY(EMPNO)
  7  );
```

Table created.

```
SQL> DESC ZEEEMPLOYEE
```

Name	Null?	Type
EMPNO	NOT NULL	NUMBER(38)
ENAME		VARCHAR2(20)
EADDRESS		VARCHAR2(50)

```
SQL> INSERT INTO ZEEEMPLOYEE VALUES (1,'ZOHAIB','RAWALPINDI');
```

1 row created.

```
SQL> INSERT INTO ZEEEMPLOYEE VALUES (2,'NOOR','RAWALPINDI');
```

1 row created.

```
SQL> INSERT INTO ZEEEMPLOYEE VALUES (3,'ALEEZA','ISLAMABAD');
```

1 row created.

```
SQL> INSERT INTO ZEEEMPLOYEE VALUES (4,'ANABA','RAWALPINDI');
```

1 row created.

```
SQL> SET LINESIZE 500
```

```
SQL> SELECT * FROM ZEEEMPLOYEE;
```

EMPNO	ENAME	EADDRESS
1	ZOHAIB	RAWALPINDI
2	NOOR	RAWALPINDI
3	ALEEZA	ISLAMABAD
4	ANABA	RAWALPINDI

```

SQL> /* MALIK ZOHAIB MUSTAFA */
SQL> /* 01-134192-030 */
SQL> /* BSCS-4B */
SQL> CREATE TABLE ZEEDEPT
2  (
3  DEPTNO INT PRIMARY KEY,
4  DEPTNAME VARCHAR(25),
5  EMPNO INT,
6  CONSTRAINT ZEEDEPT_FK FOREIGN KEY(EMPNO) REFERENCES ZEEEMPLOYEE(EMPNO)
7  );

```

Table created.

```
SQL> DESC ZEEDEPT;
```

Name	Null?	Type
DEPTNO	NOT NULL	NUMBER(38)
DEPTNAME		VARCHAR2(25)
EMPNO		NUMBER(38)

```
SQL> INSERT INTO ZEEDEPT VALUES (1,'FINANCE',1);
```

1 row created.

```
SQL> INSERT INTO ZEEDEPT VALUES (2,'RESEARCH',2);
```

1 row created.

```
SQL> INSERT INTO ZEEDEPT VALUES (3,'MARKETING',3);
```

1 row created.

```
SQL> INSERT INTO ZEEDEPT VALUES (4,'RECREATION',4);
```

1 row created.

```
SQL> SELECT
2 * FROM ZEEDEPT;
```

DEPTNO	DEPTNAME	EMPNO
1	FINANCE	1
2	RESEARCH	2
3	MARKETING	3
4	RECREATION	4

```
SQL> SELECT * FROM ZEEEMPLOYEE;
```

EMPNO	ENAME	EADDRESS
1	ZOHAIB	RAWALPINDI
2	NOOR	RAWALPINDI
3	ALEEZA	ISLAMABAD
4	ANABA	RAWALPINDI

```
SQL> SELECT ENAME,DEPTNAME FROM ZEEEMPLOYEE,ZEEDEPT WHERE ZEEEMPLOYEE.EMPNO=ZEEDEPT.EMPNO
```

ENAME	DEPTNAME
ZOHAIB	FINANCE
NOOR	RESEARCH
ALEEZA	MARKETING
ANABA	RECREATION

2. Create table of students and Courses, find student id who is enrolled in at least two courses.

```
SQL>
SQL>      /* MALIK ZOHAIB MUSTAFA */
SQL>      /* 01-134192-030 */
SQL>      /* BSCS-4B */
SQL>
SQL> CREATE TABLE STUDENTS(
  2   STID VARCHAR(10),
  3   COURSEID VARCHAR(10),
  4   SINCE DATE,
  5   CONSTRAINTS STUDENT_PK PRIMARY KEY(STID,COURSEID)
  6 );
```

Table created.

```
SQL> DESC STUDENTS;
```

Name	Null?	Type
STID	NOT NULL	VARCHAR2(10)
COURSEID	NOT NULL	VARCHAR2(10)
SINCE		DATE

```
SQL> INSERT INTO STUDENTS VALUES('1','1',TO_DATE('2021','YYYY'));
```

1 row created.

```
SQL> INSERT INTO STUDENTS VALUES('1','2',TO_DATE('2021','YYYY'));
```

1 row created.

```
SQL> INSERT INTO STUDENTS VALUES('2','1',TO_DATE('2021','YYYY'));
```

1 row created.

```
SQL> INSERT INTO STUDENTS VALUES('2','2',TO_DATE('2021','YYYY'));
```

1 row created.

```
SQL>
```

```
SQL> SELECT * FROM STUDENTS;
```

STID	COURSEID	SINCE
1	1	01-JUN-21
1	2	01-JUN-21
2	1	01-JUN-21
2	2	01-JUN-21

```
SQL> SELECT ZEE1.STID FROM STUDENTS ZEE1, STUDENTS ZEE2 WHERE ZEE1.STID=ZEE2.STID AND ZEE1.COURSEID<
>ZEE2.COURSEID;
```

```
STID
```

```
-----
```

```
1
```

```
1
```

```
2
```

```
2
```