

## **OUTPUT:**

```
SQL> CREATE TABLE CSE(  
  1  RegNo NUMBER(5) PRIMARY KEY,  
  2  Name VARCHAR(20),  
  3  Mark NUMBER(3));
```

Table created.

```
SQL> INSERT INTO CSE VALUES(103,'ABISHEK',89);
```

1 row created.

```
SQL> INSERT INTO CSE VALUES(106,'JOHN',85);
```

1 row created.

```
SQL> INSERT INTO CSE VALUES(108,'DAVID',93);
```

1 row created.

```
SQL> INSERT INTO CSE VALUES(NULL,'RAJA',90);  
INSERT INTO CSE VALUES(NULL,'RAJA',90)
```

\*

**ERROR** at line 1:

ORA-01400: cannot insert NULL into ("SCOTT"."CSE"."REGNO")

```
SQL> INSERT INTO CSE VALUES(106,'RAM',95);  
INSERT INTO CSE VALUES(106,'RAM',95)
```

\*

**ERROR** at line 1:

ORA-00001: unique constraint (SCOTT.SYS\_C0011078) violated

```
SQL> SELECT * FROM CSE;
```

REGNO	NAME	MARK
103	ABISHEK	89
106	JOHN	85
108	DAVID	93

```
SQL> CREATE TABLE DEPT(  
  2  DEPTNO NUMBER(3) PRIMARY KEY,  
  3  NAME VARCHAR(10),  
  4  LOCATION VARCHAR(20));
```

Table created.

**SQL>** DESC DEPT;

Name	Null?	Type
DEPTNO	NOT NULL	NUMBER(3)
DNAME		VARCHAR2(10)
LOCATION		VARCHAR2(20)

**SQL>** INSERT INTO DEPT VALUES(103,'DAVID','CHENNAI');

1 row created.

**SQL>** INSERT INTO DEPT VALUES(106,'ARJUN','GOA');

1 row created.

**SQL>** INSERT INTO DEPT VALUES(108,'SANDY','OOTY');

1 row created.

**SQL>** CREATE TABLE EMPLO(EMPNO NUMBER(4),  
2 DEPTNO NUMBER(3) REFERENCES DEPT(DEPTNO),  
3 DESIGN VARCHAR(15)  
4 );

Table created.

**SQL>** INSERT INTO EMPLO VALUES(4068,106,'DEVELOPER');

1 row created.

**SQL>** INSERT INTO EMPLO VALUES(4069,108,'TESTER');

1 row created.

**SQL>** INSERT INTO EMPLO VALUES(4073,109,'DESIGNER');

INSERT INTO EMPLO VALUES(4073,109,'DESIGNER')

\*

**ERROR** at line 1:

ORA-02291: integrity constraint (SCOTT.SYS\_C0011080) violated - parent key not found

**SQL>** CREATE TABLE CSE(  
2 REGNO NUMBER(4) PRIMARY KEY,  
3 NAME VARCHAR(20),  
4 DEPT VARCHAR(3) CHECK (DEPT='CSE'));

Table created.

**SQL>** INSERT INTO CSE VALUES(4073,'KARTHICK','CSE');

1 row created.

**SQL>** INSERT INTO CSE VALUES(4077,'MUKESH','ECE');

INSERT INTO CSE VALUES(4077,'MUKESH','ECE')

\*

**ERROR** at line 1:

ORA-02290: check constraint (SCOTT.SYS\_C0011081) violated

**SQL>** CREATE TABLE CONSTRAINT(

2 REGNO NUMBER(3) NOT NULL UNIQUE,

3 NAME VARCHAR(15),

4 PHONE NUMBER(10) PRIMARY KEY,

5 EMAIL VARCHAR(15) NULL,

6 DEPT VARCHAR(3) DEFAULT 'CSE');

**SQL>** INSERT INTO CONSTRAINT VALUES (101, 'RAGU', 9716543210, 'ragu@yahoo.com', 'EIE');

1 row created.

**SQL>** SAVEPOINT A;

Savepoint created.

**SQL>** INSERT INTO CONSTRAINT VALUES (102, 'KARTHI', 8765432129, 'bolt@yahoo.com', 'ECE');

1 row created.

**SQL>** SAVEPOINT B;

Savepoint created.

**SQL>** INSERT INTO CONSTRAINT (REGNO, NAME, PHONE, EMAIL) VALUES (103, 'JEEVA', 7716543210, 'jeeva@yahoo.com');

1 row created.

**SQL>** SELECT \* FROM CONSTRAINT;

REGNO	NAME	PHONE	EMAIL	DEPT
101	RAGU	9716543210	ragu@yahoo.com	EIE
102	KARTHI	8765432129		ECE
103	JEEVA	7716543210	jeeva@yahoo.com	CSE

**SQL>** ROLLBACK TO B;

Rollback complete.

**SQL>** SELECT \* FROM CONSTRAINT;

REGNO	NAME	PHONE	EMAIL	DEPT
101	RAGU	9716543210	ragu@yahoo.com	EIE
102	KARTHI	8765432129		ECE

**SQL>** ROLLBACK TO A;

Rollback complete.

**SQL>** SELECT \* FROM CONSTRAINT;

REGNO	NAME	PHONE	EMAIL	DEPT
101	RAGU	9716543210	ragu@yahoo.com	EIE