

```
SQL> create table employee1(empno number(5) constraint cust not null, name
varchar2(20));
```

Table created.

```
SQL> desc employee1;
```

Name	Null?	Type
-----	-----	-----
EMPNO	NOT NULL	NUMBER(5)
NAME		VARCHAR2(20)

```
SQL> insert into employee1 values(101,'Arun');
```

1 row created.

```
SQL> insert into employee1 (name) values('Dinesh');
insert into employee1 (name) values('Dinesh')
```

*

ERROR at line 1:

ORA-01400: cannot insert NULL into ("SYSTEM"."EMPLOYEE1"."EMPNO")

```
SQL> insert into employee1 (empno) values(102);
```

1 row created.

```
SQL> select *From employee1;
```

EMPNO	NAME
-----	-----
101	Arun
102	

```
SQL> CREATE TABLE Employees( EmployeeID INT CHECK(EmployeeID BETWEEN 100 AND 1000),
NAME VARCHAR(20), DeptID INT CHECK(DeptID > 0 AND DeptID < 100), SALARY
NUMBER(10));
```

Table created.

```
SQL> desc employees;
```

Name	Null?	Type
-----	-----	-----
EMPLOYEEID		NUMBER(38)
NAME		VARCHAR2(20)
DEPTID		NUMBER(38)
SALARY		NUMBER(10)

```
SQL> insert into employees values(101,'Abi',1,15000);
```

1 row created.

```
SQL> insert into employees values(10,'banu',90,10000);
insert into employees values(10,'banu',90,10000)
*
ERROR at line 1:
ORA-02290: check constraint (SYSTEM.SYS_C007008) violated
```

```
SQL> insert into employees values(105,'banu',100,10000);
insert into employees values(105,'banu',100,10000)
*
ERROR at line 1:
ORA-02290: check constraint (SYSTEM.SYS_C007009) violated
```

```
SQL> CREATE TABLE supplier ( supplier_id numeric(10) NOT NULL, supplier_name
varchar2(50) NOT NULL, CONSTRAINT supplier_unique UNIQUE (supplier_id) );
```

Table created.

```
SQL>
SQL> desc supplier;
Name                                         Null?    Type
-----
SUPPLIER_ID                                NOT NULL NUMBER(10)
SUPPLIER_NAME                              NOT NULL VARCHAR2(50)
```

```
SQL> insert into supplier values(11111111,'TCS');
```

1 row created.

```
SQL> insert into supplier values(11111111,'INFO');
insert into supplier values(11111111,'INFO')
*
ERROR at line 1:
ORA-00001: unique constraint (SYSTEM.SUPPLIER_UNIQUE) violated
```

```
SQL> CREATE TABLE supplier ( supplier_id numeric(10) not null, supplier_name
varchar2(50) not null, CONSTRAINT supplier_pk PRIMARY KEY (supplier_id) );
CREATE TABLE supplier ( supplier_id numeric(10) not null, supplier_name
varchar2(50) not null, CONSTRAINT supplier_pk PRIMARY KEY (supplier_id) )
*
```

```
ERROR at line 1:
ORA-00955: name is already used by an existing object
```

```
SQL> CREATE TABLE supplier ( supplier_id numeric(10) not null, supplier_name
varchar2(50) not null, CONSTRAINT supplier_pk PRIMARY KEY (supplier_id) );
CREATE TABLE supplier ( supplier_id numeric(10) not null, supplier_name
```

```
varchar2(50) not null, CONSTRAINT supplier_pk PRIMARY KEY (supplier_id) )
*
```

ERROR at line 1:

ORA-00955: name is already used by an existing object

```
SQL> Drop table supplier;
```

Table dropped.

```
SQL> CREATE TABLE supplier ( supplier_id numeric(10) not null, supplier_name
varchar2(50) not null, CONSTRAINT supplier_pk PRIMARY KEY (supplier_id) );
```

Table created.

```
SQL> desc supplier;
```

Name	Null?	Type
SUPPLIER_ID	NOT NULL	NUMBER(10)
SUPPLIER_NAME	NOT NULL	VARCHAR2(50)

```
SQL> Drop table supplier;
```

Table dropped.

```
SQL> CREATE TABLE supplier ( supplier_id numeric(10) primary key, supplier_name
varchar2(50) not null);
```

Table created.

```
SQL> desc supplier;
```

Name	Null?	Type
SUPPLIER_ID	NOT NULL	NUMBER(10)
SUPPLIER_NAME	NOT NULL	VARCHAR2(50)

```
SQL> insert into supplier values (111,'ABC');
```

1 row created.

```
SQL> insert into supplier values (111,'def');
```

```
insert into supplier values (111,'def')
```

*

ERROR at line 1:

ORA-00001: unique constraint (SYSTEM.SYS_C007017) violated

```
SQL> CREATE TABLE College ( college_id INT PRIMARY KEY, college_code VARCHAR(20),
college_country VARCHAR(20) DEFAULT 'INDIA' );
```

```
CREATE TABLE College ( college_id INT PRIMARY KEY, college_code VARCHAR(20),
```

```
college_country VARCHAR(20) DEFAULT `INDIA' )
```

*

ERROR at line 1:

ORA-00911: invalid character

```
SQL> CREATE TABLE College ( college_id INT PRIMARY KEY, college_code VARCHAR(20),  
college_country VARCHAR(20) DEFAULT ' INDIA' );
```

Table created.

```
SQL> insert into college (college_id,college_code) values(90001,'CS-001'));  
insert into college (college_id,college_code) values(90001,'CS-001'))
```

*

ERROR at line 1:

ORA-00933: SQL command not properly ended

```
SQL> insert into college (college_id,college_code) values(90001,'CS-001');
```

1 row created.

```
SQL> insert into college (college_id,college_code) values(90002,'CS-002');
```

1 row created.

```
SQL> insert into college (college_id,college_code) values(90003,'CS-003');
```

1 row created.

```
SQL> SELECT *FROM COLLEGE;
```

COLLEGE_ID	COLLEGE_CODE	COLLEGE_COUNTRY
90001	CS-001	INDIA
90002	CS-002	INDIA
90003	CS-003	INDIA

```
SQL> insert into college values(90004,'ECE-001','USA');
```

1 row created.

```
SQL> SELECT *FROM COLLEGE;
```

COLLEGE_ID	COLLEGE_CODE	COLLEGE_COUNTRY
90001	CS-001	INDIA
90002	CS-002	INDIA
90003	CS-003	INDIA

```
SQL> create table stud(rollno int primary key,sname char(15) not null,total int
check(total >=0 and total<=600), gender char(6) default 'male');
create table stud(rollno int primary key,sname char(15) not null,total int
check(total >=0 and total<=600), gender char(6) default 'male')
*
```

ERROR at line 1:

ORA-00955: name is already used by an existing object

```
SQL> DROP TABLE STUD;
```

Table dropped.

```
SQL> create table stud(rollno int primary key,sname char(15) not null,total int
check(total >=0 and total<=600), gender char(6) default 'male');
```

Table created.

```
SQL> DESC STUD;
```

Name	Null?	Type
-----		-----
ROLLNO	NOT NULL	NUMBER(38)
SNAME	NOT NULL	CHAR(15)
TOTAL		NUMBER(38)
GENDER		CHAR(6)

```
SQL> INSERT INTO STUD (rollno,sname,total) values(1111,'Vasanth',599);
```

1 row created.

```
SQL> INSERT INTO STUD (rollno,sname,total) values(2222,'Kannan',590);
```

1 row created.

```
SQL> INSERT INTO STUD (rollno,sname,total) values(3333,'mani',601);
```

```
INSERT INTO STUD (rollno,sname,total) values(3333,'mani',601)
```

*

ERROR at line 1:

ORA-02290: check constraint (SYSTEM.SYS_C007020) violated

```
SQL> select *From stud;
```

ROLLNO	SNAME	TOTAL	GENDER
-----	-----	-----	-----
1111	Vasanth	599	male
2222	Kannan	590	male

```
SQL> spool off;
```