ASSIGNMENT 4

1. Create a table called PRODUCT

FIELD	DATA TYPE
PRODUCTNO	VARCHAR2(10)
QTY_ORDER	VARCHAR2(10)
RATE	NUMBER(10,2)

Impose Primary Key constraint in column level on PRODUCTNO.

```
SQL> CREATE TABLE PRODUCT_2005017(PRODUCTNO VARCHAR2(10) PRIMARY KEY,
QTY_ORDER VARCHAR2(10), RATE NUMBER(10,2));

Table created.
```

2. Create a table called CLIENT

FIELD	DATA TYPE
CLIENTNO	VARCHAR2(10)
NAME	VARCHAR2(10)
CITY	VARCHAR2(10)
SALARY	NUMBER(10,2)

Impose Unique constraint on CLIENTNO.

```
SQL> CREATE TABLE CLIENT_2005017(CLIENTNO VARCHAR2(10) UNIQUE, NAME VARCHAR2(10),
 CITY VARCHAR2(10), SALARY NUMBER(10,2));

Table created.
```

3. Create a table called EMPLOYEE

FIELD	DATA TYPE
EMPNO	VARCHAR2(10)
FNAME	VARCHAR2(10)
MNAME	VARCHAR2(10)
LNAME	VARCHAR2(10)

EMPNO must start with capital letter 'E'. Data value inserted into the column FNAME, LNAME should be in upper case.

```
SQL> CREATE TABLE EMPLOYEE_2005017(EMPNO VARCHAR2(10) CHECK(EMPNO LIKE 'E%'),
FNAME VARCHAR2(10) CHECK(FNAME=UPPER(FNAME)), MNAME VARCHAR2(10), LNAME VARCHA
R2(10) CHECK(LNAME=UPPER(LNAME)));

Table created.
```

4. Create a table called CUSTOMER

FIELD	DATA TYPE
CUSTOMERNO	VARCHAR2(10)
NAME	VARCHAR2(10)
SALARY	NUMBER(10,2)
ADDRESS	VARCHAR2(10)

Impose NOT NULL on CUSTOMERNO,NAME.

```
SQL> CREATE TABLE CUSTOMER_017(CUSTOMERNO VARCHAR2(10) NOT NULL, NAME VARCHAR2(10) NOT NULL,
SALARY NUMBER(10,2), ADDRESS VARCHAR2(10));

Table created.
```

5. Create a table called SALESORDERDETALS with its primary key as DORDERNO. Impose foreign key on ORDERNO of SALESORDER table referencing to the column DORDERNO of SALESORDERDETAILS table. Imposement should be done at table level.

SALES ORDER DETAILS

FIELD	DATA TYPE
DORDERNO	VARCHAR(10)
PRODUCTNO	VARCHAR(10)
QTYORDER	NUMBER (8,2)
RATE	NUMBER(10,2)

SALESORDER

FIELD	DATA TYPE
ORDERNO	VARCHAR(10)
ORDERDATE	DATE
CLIENTNO	VARCHAR(10)
ORDERSTATUS	VARCHAR(10)

```
SQL> CREATE TABLE SALESORDERDETAILS(DORDERNO VARCHAR(10) PRIMARY KEY, PRODUCTNO VARCHAR(10),
QTYORDER NUMBER(8,2), RATE NUMBER(10,2));

Table created.

SQL> CREATE TABLE SALESORDER(ORDERNO VARCHAR(10) CONSTRAINT ORDERNO_FK REFERENCES SALESORDERD
ETAILS(DORDERNO), ORDERDATE DATE, CLIENTNO VARCHAR(10), ORDERSTATUS VARCHAR(10));

Table created.
```

6. Apply on delete cascade on ques5.

```
SQL> ALTER TABLE SALESORDER DROP CONSTRAINT ORDERNO_FK;

Table altered.

SQL> ALTER TABLE SALESORDER ADD CONSTRAINT ORDERNO_FK_CASCADE FOREIGN KEY(ORDERNO) REFERENCES
 SALESORDERDETAILS(DORDERNO) ON DELETE CASCADE;

Table altered.
```

7. Apply on delete set null on ques5.

```
SQL> ALTER TABLE SALESORDER DROP CONSTRAINT ORDERNO_FK_CASCADE;

Table altered.

SQL> ALTER TABLE SALESORDER ADD CONSTRAINT ORDERNO_FK_SET_NULL FOREIGN KEY(ORDERNO) REFERENCE
S SALESORDERDETAILS(DORDERNO) ON DELETE SET NULL;

Table altered.
```

8. Add a primary key constraint on FNAME column of EMPLOYEE table.

```
SQL> ALTER TABLE EMPLOYEE_2005017 ADD CONSTRAINT FNAME_PK PRIMARY KEY(FNAME);

Table altered.
```

10. Drop primary key constraint from the table EMPLOYEE.

```
SQL> ALTER TABLE EMPLOYEE_2005017 DROP PRIMARY KEY;

Table altered.
```

11. Drop the foreign key constraint on the column CLIENTNO in the table SALESORDER10.

SALESORDER10 table

FIELD	DATA TYPE
ORDERNO	VARCHAR2(10)
PRODUCTNO	VARCHAR2(10)
QTYORDER	NUMBER(8,2)
RATE	NUMBER(10,2)

```
SQL> ALTER TABLE SALESORDER ADD CONSTRAINT CLIENTNO_FK FOREIGN KEY(CLIENTNO) REFERENCES SALES
ORDERDETAILS(DORDERNO);

Table altered.

SQL> ALTER TABLE SALESORDER DROP CONSTRAINT CLIENTNO_FK;

Table altered.
```