Q: The EMPLOYEE detail database has a table with the following attributes.

EMPLOYEE (Empno: int, Name: string, DOB: date, Phone_no: int)

  a. Create the above table.
  b. Display table Structure.
  c. Enter five tuples into the table.
  d. Display all the tuples in EMPLOYEE table.

Solution:
a) Create the EMPLOYEE table.
 SQL> CREATE TABLE EMPLOYEE(
            Empno int,
            Name varchar(15),
            DOB date,
            Phone_no number(12));

b) Display table Structure.
      SQL> DESC EMPLOYEE;
      Name   Null?   Type

      -- -------- --------------------------
       EMPNO   NUMBER(38)
       NAME   VARCHAR2(15)
       DOB   DATE
       PHONE_NO   NUMBER(12)

c) Display table Structure.
      SQL> insert into EMPLOYEE
            values(1001,'Evelyn','02-aug-1993',8764563728);
      1 row created.
      SQL> insert into EMPLOYEE
            values(1002,'Heather','24-sep-1996',9874563728);
      1 row created.
      SQL> insert into EMPLOYEE
            values(1003,'Gregory','12-oct-1983',9994563728);
      1 row created.
      SQL> insert into EMPLOYEE
            values(1004, 'Anthony','08-jun-1990',8974563728);
      1 row created.
      SQL> insert into EMPLOYEE

values(1005, 'Lindsey','17-jul-1979',7894563728);

1 row created.

SQL> select * from EMPLOYEE;

```
EMPNO NAME            DOB       PHONE_NO
---------- --------------- --------- ----------
 1001 Evelyn       02-AUG-93   8764563728
 1002 Heather      24-SEP-96   9874563728
 1003 Gregory      12-OCT-83   9994563728
 1004 Anthony      08-JUN-90   8974563728
 1005dsey       17-JUL-79       7894563728
```

Q: Consider **EMPLOYEE** (Empno: int, Name: string, DOB: date, Phone_no: int)

Perform the following:

a. Rename the table EMPLOYEE as EMP
b. Add a new column 'Salary' with not null constraint to the existing table EMP
c. Rename the column name 'Name' to 'Emp_name' in EMP table
d. Delete the column 'Salary' from EMP table.
e. Truncate table to delete records
f. Drop table.

Creating EMPLOYEE table with primary key Empno:
SQL> create table EMPLOYEE(
        Empno int,
        Name varchar(15),
        DOB date,
        Phone_no number(12),
        primary key(Empno));

a. Rename the table EMPLOYEE as EMP
    SQL> alter table EMPLOYEE rename to EMP;
    Table altered.

b. Add a new column 'Salary' with not null constraint to the existing table EMP
    SQL> ALTER TABLE EMP ADD Salary DECIMAL(10, 2);
    Table altered.

c. Rename the column name 'Name' to 'Emp_name' in EMP table
    SQL> ALTER TABLE EMP RENAME COLUMN Name TO Emp_name;
    Table altered.

    SQL> DESC EMP;

Name	Null?	Type
EMPNO		NUMBER(38)
EMP_NAME		VARCHAR2(15)
DOB		DATE
PHONE_NO		NUMBER(12)
SALARY		NUMBER(10,2)

d. Delete the column 'Salary' from EMP table.
    SQL> ALTER TABLE Emp1 DROP COLUMN Salary;
    Table altered.

```
SQL> DESC Emp;
 Name                                    Null?   Type
 ---------------------------------------- -------- ---------------------------
 EMPNO                                            NUMBER(38)
 EMP_NAME                                         VARCHAR2(15)
 DOB                                              DATE
 PHONE_NO                                          NUMBER(12)
```

e. Truncate table to delete records.
```
SQL> TRUNCATE TABLE Emp;
Table truncated.

SQL> SELECT * FROM Emp;
no rows selected
```

f. Drop table
```
SQL> DROP TABLE Emp;
Table dropped.
```

For Verification:
```
SQL> DESC Emp;
ERROR:
ORA-04043: object EMP does not exist
```