**Q: The EMPLOYEE detail database has a table with the following attributes.** **EMPLOYEE** (Empno: int, Name: string, DOB: date, Phone\_no: int)

1. Create the above table.
2. Display table Structure.
3. Enter five tuples into the table.
4. 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

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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.

**c) Display all the tuples in EMPLOYEE table.**

SQL> select \* from EMPLOYEE;

EMPNO NAME DOB PHONE\_NO

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1001 Evelyn 02-AUG-93 8764563728

1002 Heather 24-SEP-96 9874563728

1003 Gregory 12-OCT-83 9994563728

1004 Anthony 08-JUN-90 8974563728

1. dsey 17-JUL-79 7894563728

Q: Consider **EMPLOYEE** (Empno: int, Name: string, DOB: date, Phone\_no: int)

Perform the following:

1. Rename the table EMPLOYEE as EMP
2. Add a new column ‘Salary’ with not null constraint to the existing table EMP
3. Rename the column name ‘Name’ to ‘Emp\_name’ in EMP table
4. Delete the column ‘Salary’ from EMP table.
5. Truncate table to delete records
6. 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));

1. **Rename the table EMPLOYEE as EMP**

SQL> alter table EMPLOYEE rename to EMP;

Table altered.

1. **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.

1. **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

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EMPNO NUMBER(38)

EMP\_NAME VARCHAR2(15)

DOB DATE

PHONE\_NO NUMBER(12)

SALARY NUMBER(10,2)

1. **Delete the column ‘Salary’ from EMP table.**

SQL> ALTER TABLE Emp1 DROP COLUMN Salary;

Table altered.

SQL> DESC Emp;

Name Null? Type

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EMPNO NUMBER(38)

EMP\_NAME VARCHAR2(15)

DOB DATE

PHONE\_NO NUMBER(12)

1. **Truncate table to delete records.**

SQL> TRUNCATE TABLE Emp;

Table truncated.

SQL> SELECT \* FROM Emp;

no rows selected

1. **Drop table**

SQL> DROP TABLE Emp;

Table dropped.

**For Verification:**

SQL> DESC Emp;

ERROR:

ORA-04043: object EMP does not exist