Q1. Create a table called EMP with the following structure. Name Type

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EMPNO NUMBER(6) ENAME VARCHAR2(20) JOB VARCHAR2(10) DEPTNO NUMBER(3) SAL NUMBER(7,2)

Allow NULL for all columns except ename and job.

**Solution:**

1. Understand create table syntax.
2. Use the create table syntax to create the said tables.
3. Create primary key constraint for each table as understand from logical table structure. Ans:

SQL> create table emp(empno number(6),ename varchar2(20)not null,job varchar2(10) not null, deptno number(3),sal number(7,2));

Table created.



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Q2: Add a column experience to the emp table. experience numeric null allowed.

**Solution:**

1. Learn alter table syntax.
2. Define the new column and its data type.
3. Use the alter table syntax.

Ans: SQL> alter table emp add(experience number(2));

Table altered.

Q3: Modify the column width of the job field of emp table.

**Solution:**

1. Use the alter table syntax.
2. Modify the column width and its data type.

Ans: SQL> alter table emp modify(job varchar2(12));

Table altered.

SQL> alter table emp modify(job varchar(13));

Table altered.

Q4: Create dept table with the following structure. Name Type

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DEPTNO NUMBER(2) DNAME VARCHAR2(10) LOC VARCHAR2(10) Deptno as the primarykey

**Solution:**

1. Understand create table syntax.
2. Decide the name of the table.
3. Decide the name of each column and its data type.
4. Use the create table syntax to create the said tables.
5. Create primary key constraint for each table as understand from logical table structure. Ans:

SQL> create table dept(deptno number(2) primary key,dname varchar2(10),loc varchar2(10));

Table created.

Q5: create the emp1 table with ename and empno, add constraints to check the empno value while entering (i.e) empno > 100.

**Solution:**

1. Learn alter table syntax.
2. Define the new constraint [columns name type]
3. Use the alter table syntax for adding constraints. Ans:



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SQL> create table emp1(ename varchar2(10),empno number(6) constraint check(empno>100));

Table created.

Q6: drop a column experience to the emp table.

**Solution:**

1. Learn alter table syntax. Use the alter table syntax to drop the column. Ans:

SQL> alter table emp drop column experience; Table altered.

Q7: Truncate the emp table and drop the dept table

**Solution:**

1. Learn drop, truncate table syntax.

Ans: SQL> truncate table emp; Table truncated.