

Solution for Problem 1

a) Commands :→

```
> create table EMP (EMPNO Number (6), ENAME Varchar2 (20) NOT NULL,  
                    JOB Varchar2 (10) NOT NULL, Deptno Number (3),  
                    SAL Number (7,2));
```

Output :→

Table created.

Commands :→

```
> desc EMP
```

Output :→

Name	Null ?	Type
EMPNO		NUMBER (6)
ENAME	NOT NULL	VARCHAR2 (20)
JOB	NOT NULL	VARCHAR2 (10)
DEPTNO		NUMBER (3)
SAL		NUMBER (7,2)

b) Commands :→

```
> alter table EMP add Experience Number;
```

Output :→

Table altered.

Commands :→

```
> desc EMP
```

Output :→

Name	Null ?	Type
EMPNO		NUMBER (6)
ENAME	NOT NULL	VARCHAR2 (20)
JOB	NOT NULL	VARCHAR2 (10)
DEPTNO		NUMBER (3)
SAL		NUMBER (7,2)
EXPERIENCE		NUMBER

c) Commands :->

> alter table EMP modify JOB Varchar2 (20);

Output :->

Table altered

Commands :->

> desc EMP

Output :->

Name	Null ?	Type
EMPNO		NUMBER (6)
ENAME	NOT NULL	VARCHAR2 (20)
JOB	NOT NULL	VARCHAR2 (20)
DEPTNO		NUMBER (3)
SAL		NUMBER (7, 2)
EXPERIENCE		NUMBER

d) Commands :->

> alter table EMP drop column Experience;

Output :->

Table altered.

Commands :->

> desc EMP

Output :->

Name	Null ?	Type
EMPNO		NUMBER (6)
ENAME	NOT NULL	VARCHAR2 (20)
JOB	NOT NULL	VARCHAR2 (20)
DEPTNO		NUMBER (3)
SAL		NUMBER (7, 2)

Solution for Problem 2)

> create table dept (deptno number(2) Primary Key, dname varchar2(10),
loc varchar2(10));

Output : →

Table created

Commands : →

> desc dept

Output : →

Name	Null?	Type
DEPTNO	NOT NULL	NUMBER (2)
DNAME		VARCHAR2 (10)
LOC		VARCHAR2 (10)

Solution for Problem 3)

> create table EMP1 (EMPNO NUMBER(6) check (empno > 100), Ename varchar2(10),
JOB varchar2(10) NOT NULL, DEPTNO NUMBER(3));

Output : →

Table created

Commands : →

> insert into emp1 (Empno, Ename, job, deptno) values (99, 'Panthib', 'student', 3);

Output : →

insert into emp1 (Empno, Ename, job, deptno) values (99, 'Panthib', 'student', 3);

*
ERROR at line 1:
ORA-02290: check constraint (HR.SYG-006992) violated.

Commands : →

> insert into emp1 (Empno, Ename, job, deptno) values (105, 'Panthib', 'student', 3);

Output : →

1 row created.

Solution for Problem 4)

Commands : →

> truncate table emp;

Output : →

Table truncated.

Commands : →

> drop table dept;

Output : →

Table dropped.

Solution for Problem 5)

I uploaded the entire question in ChatGpt and gave the prompt "Give the SQL commands for the question".

Output : →

Step 1 :- Create the Employees table

SQL Command : → Create table Employees (EmpID INT PRIMARY KEY,
Name Varchar(100) NOT NULL, Department Varchar(50),
Salary Decimal(10,2));

a) SQL Command : → alter table Employees add JoiningDate DATE;

b) SQL Command : → alters table Employees modify Salary Decimal(12,2);

c) SQL Command : → truncate table Employees;

d) SQL Command : → drop table Employees;