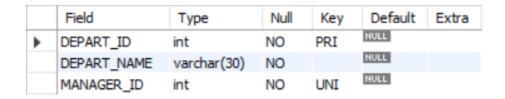
Day-1 Assignment

 Create a table with name depart for the following specification. USE pl_sql_ex;

Create table department (DEPART_ID int(4) NOT NULL PRIMARY KEY, DEPART_NAME varchar(30) NOT NULL, MANAGER_ID int(6) unique NOT NULL);

Table structure:

> describe department;



2) Create a table with name depart for the following specification.

Create table employees(EMP_ID varchar(6) PRIMARY KEY, EMP_NAME varchar(20) NOT NULL, EMAIL character(25), PHONE_NUMBER varchar(10) NOT NULL, DEPART_ID int);

Table structure:

describe employees;

| | Field | Type | Null | Key | Default | Extra |
|---|--------------|-------------|------|-----|---------|-------|
| • | EMP_ID | varchar(6) | NO | PRI | NULL | |
| | EMP_NAME | varchar(20) | NO | | NULL | |
| | EMAIL | char(25) | YES | | NULL | |
| | PHONE_NUMBER | varchar(10) | NO | | NULL | |
| | DEPART_ID | int | YES | | HULL | |

3) Using Alter command add a new column in employees table with name salary and with datatype and precision as Number(8,2)

Alter table employees add salary numeric(8,2);

| | Field | Туре | Null | Key | Default | Extra |
|---|--------------|--------------|------|-----|---------|-------|
| • | EMP_ID | varchar(6) | NO | PRI | HULL | |
| | EMP_NAME | varchar(20) | NO | | HULL | |
| | EMAIL | char(25) | YES | | NULL | |
| | PHONE_NUMBER | varchar(10) | NO | | HULL | |
| | DEPART_ID | int | YES | | NULL | |
| | salary | decimal(8,2) | YES | | NULL | |

4) Using Alter command add a new table constraint in employees table with name for key for DEPT_ID column in employees table which refers the primary key of depart table (consider the usage of both foreign key and references constraints)

ALTER TABLE employees ADD CONSTRAINT fk FOREIGN KEY (DEPART_ID) REFERENCES department(DEPART_ID);

| | Field | Туре | Null | Key | Default | Extra |
|---|--------------|--------------|------|-----|---------|-------|
| • | EMP_ID | varchar(6) | NO | PRI | HULL | |
| | EMP_NAME | varchar(20) | NO | | NULL | |
| | EMAIL | char(25) | YES | | NULL | |
| | PHONE_NUMBER | varchar(10) | NO | | NULL | |
| | DEPART_ID | int | YES | MUL | HULL | |
| | salary | decimal(8,2) | YES | | NULL | |

5) Using Alter command drop the constraint in employees table with name for key and modify the column DEPT_ID with column constraint references for the primary key in depart table.

ALTER TABLE employees drop constraint fk;

6) Using Alter command drop the column in employees table with name EMAIL.

Alter table employees drop column EMAIL;

| | Field | Type | Null | Key | Default | Extra |
|---|--------------|--------------|------|-----|---------|-------|
| ١ | EMP_ID | varchar(6) | NO | PRI | NULL | |
| | EMP_NAME | varchar(20) | NO | | NULL | |
| | PHONE_NUMBER | varchar(10) | NO | | NULL | |
| | DEPART_ID | int | YES | MUL | NULL | |
| | salary | decimal(8,2) | YES | | NULL | |

7) After adding salary column (Q.3), add a column constraint to the EMPLOYEES table which restricts the addition of those employees who have salaries less than 10000

Alter table employees add constraint salary_check CHECK (salary>10000);

8) Using Alter command, rename table employees as empl;

Alter table employees rename to empl;

desc empl;

9) Create a new table with name depart1 as same as depart in structure.

Create table depart1 as select * from department;

(Or)

Create table depart1 like department;

desc depart1;

| | Field | Туре | Null | Key | Default | Extra |
|---|-------------|-------------|------|-----|---------|-------|
| • | DEPART_ID | int | NO | | NULL | |
| | DEPART_NAME | varchar(30) | NO | | NULL | |
| | MANAGER_ID | int | NO | | NULL | |

10) After creation, drop table depart1 using drop command. **drop table depart1**;