

## Day-1 Assignment

- 1) 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;**

	Field	Type	Null	Key	Default	Extra
▶	DEPART_ID	int	NO	PRI	NULL	
	DEPART_NAME	varchar(30)	NO		NULL	
	MANAGER_ID	int	NO	UNI	NULL	

- 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		NULL	

- 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	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		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	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	MUL	NULL	
	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
►	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	Type	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;**