

Highest sal	Number
-------------	--------

### LOCATION TABLE

NAME	NULL?	TYPE
Location id	Not null	Number(4)
St addr		Varchar(40)
Postal code		Varchar(12)
City	Not null	Varchar(30)
State_province		Varchar(25)
Country_id		Char(2)

1. Create the DEPT table based on the DEPARTMENT following the table instance chart below. Confirm that the table is created.

Column name	ID	NAME
Key Type		
Nulls/Unique		
FK table		
FK column		
Data Type	Number	Varchar2
Length	7	25

Create table DEPT (ID NUMBER(7) NOT NULL PRIMARY KEY,  
NAME VARCHAR(25) NOT NULL);

2. Create the EMP table based on the following instance chart. Confirm that the table is created.

Column name	ID	LAST NAME	FIRST NAME	DEPT ID
Key Type				
Nulls/Unique				
FK table				
FK column				
Data Type	Number	Varchar2	Varchar2	Number
Length	7	25	25	7

Create table EMP (ID NUMBER(7) NOT NULL PRIMARY KEY,  
LAST\_NAME VARCHAR(25) NOT NULL, FIRST\_NAME VARCHAR(25) NOT NULL,  
DEPT\_ID NUMBER(3) NOT NULL, CONSTRAINT FK\_dept FOREIGN KEY  
(DEPT\_ID) REFERENCES DEPT(ID));

3. Modify the EMP table to allow for longer employee last names. Confirm the modification. (Hint: Increase the size to 50)

ALTER TABLE EMP  
MODIFY LAST\_NAME VARCHAR(50);



4. Create the EMPLOYEES2 table based on the structure of EMPLOYEES table. Include Only the Employee\_id, First\_name, Last\_name, Salary and Dept\_id columns. Name the columns Id, First\_name, Last\_name, salary and Dept\_id respectively.

```
Create table Employees (Employee_ID NUMBER(7), First_Name Varchar(25),  
Last_name Varchar(25), Salary number(7), Dept_id number(7));
```

5. Drop the EMP table.

```
drop table EMP;
```

6. Rename the EMPLOYEES2 table as EMP.

```
rename EMPLOYEES2 to EMP;
```

7. Add a comment on DEPT and EMP tables. Confirm the modification by describing the table.

```
comment on dept is "dept details"  
comment on EMP is "Employee Details"  
select * from User-Tab-Comments where table_name = "EMP";
```

8. Drop the First\_name column from the EMP table and confirm it.

```
Alter Table EMP drop column First Name;
```

Evaluation Procedure	Marks awarded
Query(5)	5
Execution (5)	5
Viva(5)	5
Total (15)	15
Faculty Signature	P. J. M.