

Highest_sal	Number
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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 DEPTC ID NUMBER(7) NOTNULL PRIMARY KEY,
NAME VARCHAR(25) NOTNULL);

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 EMPC ID NUMBER VARCHAR(7) NOTNULL PRIMARY KEY,
LAST_NAME VARCHAR(25) NOTNULL, FIRST_NAME VARCHAR(25) NOTNULL,
DEPT_ID NUMBER(3) NOTNULL, CONSTRAINT FK_dept FOREIGN KEY
(DEPT_ID) REFERENCES DEPTC(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 Employee (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 FirstName;

Evaluation Procedure	Marks awarded
Query(5)	5
Execution (5)	5
Viva(5)	5
Total (15)	15
Faculty Signature	RPM