

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		Varchar(30)
State_province	Not null	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(4) CONSTRAINT dept_id_pk 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(4)
  LASTNAME VARCHAR(25)
  FIRSTNAME VARCHAR(25)
  DEPT_ID NUMBER(4)
  CONSTRAINT emp_dept_fk FOREIGN KEY (DEPT_ID)
  REFERENCE 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 LASTNAME 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 AS SELECT
Employee_id AS ID,
First_name, Last_name, Salary,
Department_id AS Dept_id
FROM EMPLOYEES;
```

5. Drop the EMP table.

```
Drop table employees;
```

6. Rename the EMPLOYEES2 table as EMP.

```
Rename EMPLOYEES TO EMP;
```

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

```
COMMENT ON TABLE EMP IS 'Employee details Table linked to
DEPT table via department ID';
```

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. K.