

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 (
    ID NUMBER(7) 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(7) Constraint emp_id_pk Primary key,
    Last_name Varchar(25) NOT NULL, FIRST_NAME Varchar(25),
    DEPT_ID Number(7), 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 LAST_NAME VARCHR2(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 EMPLOYEES2 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 EMPLOYEES2 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 linked to
Dept table via @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	<i>Raj</i>