

|             |        |
|-------------|--------|
| 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), name varchar(25));

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), last name varchar(25), first name varchar(25), Dept id number(7));

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 EMP (id number(4), last_name varchar(25),  
first_name varchar(25), salary number(4),  
dept_id number(4));
```

5. Drop the EMP table.

```
Drop table EMP;
```

6. Rename the EMPLOYEES2 table as EMP.

```
Alter table EMP rename to EMPLOYEES;
```

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

```
Comment on table dept is 'This is department Table';  
Comment on table EMP is 'This is Employee Table';
```

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    | B. Talwar     |