

(7)

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(2) 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(2)
    LASTNAME VARCHAR(25)
    FIRSTNAME VARCHAR(25)
    DEPTID NUMBER(2)
    CONSTRAINT emp_dept_fk FOREIGN KEY (DEPTID)
    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 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.

AUTER TABLE EMP
DROP COLUMN FIRST NAME;

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