

PRACTICE 2

ADDING CONSTRAINTS

1. Add the following constraints in Employee table:

Column	Constraint type	Foreign key table
EMPLOYEE_ID	PRIMARY KEY	
LAST_NAME		
FIRST_NAME	NOT NULL	
JOB_ID	FOREIGN KEY	JOB
MANAGER_ID	FOREIGN KEY	EMPLOYEE
HIRE_DATE	NOT NULL	
SALARY	Check (<100000)	
COMMISSION		
DEPARTMENT_ID	FOREIGN KEY	DEPARTMENT

2. Create a table DEPARTMENT having following structure.

Name	Type	Constraint	Foreign key table
DEPARTMENT_ID	SMALLINT	PRIMARY KEY	
DNAME	VARCHAR (15)	UNIQUE	
LOCATION	SMALLINT		

3. Add the primary key of LOCATION table as the foreign key in the DEPARTMENT TABLE.

4. Create a table JOB having following structure.

Name	Type	Constraint	Foreign key table
JOB_ID	SMALLINT	PRIMARY KEY	
FUNCTION	VARCHAR (15)	UNIQUE	

5. Create a table SALARY_GRADE having following structure.

Name	Type	Constraint	Foreign key table
GRADE_ID	SMALLINT	PRIMARY KEY	
LOWER_SAL	DOUBLE (9,2)		
UPPER_SAL	DOUBLE (9,2)		

6. Add a check constraint in the SALARY_GRADE table which checks that the upper_sal should not be more than 10000000.

7. Create a table LOCATION having following structure.

Name	Type	Constraint	Foreign key table
LOCATION_ID	SMALLINT	PRIMARY KEY	
REGIONAL_GROUP	VARCHAR (15)		