

## SQL Mini Project:

1. create the following tables.

### EMP\_Details

Column Name	Datatype	Length	Constraint	
Empno	Integer		Primary Key	
First_Name	Varchar2	30	Not Null	
Last_Name	Varchar2	30	Not Null	
Lodge_Name	Varchar2	30	Foreign Key(Lodge_Details)	

### EMP\_Skill

**Note:** Empno,Skill are composite Primary Key.

Column Name	Datatype	Length	Constraint
Empno	Integer		Primary Key Foreign Key(EMP_Details)
Skill	Varchar2	30	Primary Key Foreign Key(Skill_Details)
Grade	Number	10	

### SKILL\_Details

Column Name	Datatype	Length	Constraint
Skill	Varchar2	30	Primary Key
Skill_Desc	Varchar2	30	

### LODGE\_Details

Column Name	Datatype	Length	Constraint	
Lodge_Name	Varchar2	30	Primary Key	
Lodge_Manager	Varchar2	30	Not Null	
Lodge_Address	Varchar2	30		

2. Insert data into the following tables

LODGE\_Details:

Lodge_Name	Lodge_Manager	Lodge_Address
Jessy Lodge	Rajan	Rakesh Nagar
Rajesh Lodge	Rajani	Anna Nagar
Gooday Lodge	John	Sea Road

EMP\_Details:

Empno	First_Name	Last_Name	Lodge_Name
101	James	Jackson	Rajesh Lodge
102	Kalpash	Raj	Gooday Lodge
103	Jasmine	Joy	Jessy Lodge

SKILL\_Details:

Skill	Skill_Desc
Oracle SQL	Oracle Corporation
Dot Net	Microsoft
Sybase	SAP Corporation

EMP\_skill

Empno	Skill	Grade
101	Oracle SQL	9
101	Sybase	8
102	Dot Net	9
103	Oracle SQL	8

- Now the employee 101 has change his lodge to Gooday Lodge.
- Employee 103 has resigned from the company and vacated the lodge so delete his details from the respective tables.
- The HR Departments want to create reports base on the following requirements
  - Write a query that will display the employee with skill Sybase. Pass Sybase in any case. Use Function.
  - Create a report that will display the First\_Name,Skill and Lodge Manager
  - Create a report that will that display the number of skill that employee 101 has.
  - Display the employee First\_Name who has the Skill Oracle SQL.
- Create a View EMP\_VIEW so that the users can use it that contains columns EMPNO, FIRST\_NAME,SKILL, LODGE\_MANAGER.
- Create a Synonym EMPV for the View EMP\_VIEW.
- Create Index on Skill column in EMP\_Skill table.