ASSIGNMENT-1

```sql
CREATE DATABASE Training_Basic;
USE Training_Basic;
```

1. Create Tables

```sql
CREATE TABLE Trainer_info( Trainer_id VARCHAR(20) PRIMARY KEY, Salutation VARCHAR(7) NOT
NULL, Trainer_Name VARCHAR(30) NOT NULL, Trainer_Location VARCHAR(30) NOT NULL,
Trainer_Track VARCHAR(15) NOT NULL,  Trainer_Qualification VARCHAR(100) NOT NULL,
Trainer_Experience INT(11) NOT NULL, Trainer_Email VARCHAR(100) NOT NULL, Trainer_Password
VARCHAR(20) NOT NULL, CONSTRAINT UC_Email UNIQUE (Trainer_Email)      );
CREATE TABLE Module_Info( Module_Id VARCHAR(20) PRIMARY KEY, Module_Name VARCHAR(40),
Module_Duration INT(11) );

CREATE TABLE Associate_Info( Associate_Id VARCHAR(20) PRIMARY KEY, Salutation VARCHAR(7)
NOT NULL, Associate_Name VARCHAR(30) NOT NULL, Associate_Location VARCHAR(30) NOT NULL,
Associate_Track VARCHAR(15) NOT NULL, Associate_Qualification VARCHAR(200) NOT NULL,
Associate_Email VARCHAR(100) NOT NULL, Associate_Password VARCHAR(20) NOT NULL, CONSTRAINT
UC_Email UNIQUE (Associate_Email) )



CREATE TABLE Associate_Status( Associate_Id VARCHAR(20), Module_Id VARCHAR(20), Batch_Id
VARCHAR(20), Start_Date DATE NOT NULL, End_Date DATE NOT NULL, AFeedbackGiven BOOLEAN
DEFAULT FALSE, TFeedbackGiven BOOLEAN DEFAULT FALSE, CONSTRAINT FK_Associate_Id FOREIGN
KEY (Associate_Id) REFERENCES Associate_Info(Associate_Id), CONSTRAINT FK_Module_Id_1
FOREIGN KEY (Module_Id) REFERENCES Module_Info(Module_Id));
ALTER TABLE Associate_Status ADD COLUMN Trainer_IdVARCHAR(20);
ALTER TABLE Associate_Status ADD CONSTRAINT FK_Trainer_Id_ FOREIGN KEY (Trainer_Id)
REFERENCES Trainer_Info(Trainer_Id);
```

2. INSERT DATA

```sql
INSERT INTO Trainer_Info(Trainer_Id, Salutation, Trainer_Name, Trainer_Location,
Trainer_Track, Trainer_Qualification, Trainer_Experience, Trainer_Email, Trainer_Password)
VALUES ('F001', 'Mr.', 'PANKAJ GHOSH', 'Pune', 'Java', 'Bachelor of Technology', 12,
'Pankaj.Ghosh@alliance.com', 'fac1@123'), ('F002', 'Mr.', 'SANJAY RADHAKRISHNAN',
'Bangalore', 'DotNet', 'Bachelor of Technology', 12,'Sanjay.Radhakrishnan@alliance.com',
'fac2@123'), ('F003', 'Mr.', 'VIJAY MATHUR', 'Chennai', 'Mainframe', 'Bachelor of
Technology', 10, 'Vijay.Mathur@alliance.com', 'fac3@123'),('F004', 'Mrs.', 'NANDINI NAIR',
'Kolkata', 'Java', 'Master of Computer Applications', 9, 'Nandini.Nair@alliance.com',
'fac4@123'), ('F005', 'Miss.', 'ANITHA PAREKH', 'Hyderabad', 'Testing', 'Master of
Computer Applications', 6, 'Anitha.Parekh@alliance.com', 'fac5@123');
```

```
INSERT INTO Associate_Info(Associate_Id, Salutation, Associate_Name, Associate_Location,
Associate_Track, Associate_Qualification, Associate_Email, Associate_Password)
VALUES('A001', 'Miss.', 'GAYATHRI NARAYANAN', 'Gurgaon', 'Java', 'Bachelor of Technology',
'Gayathri.Narayanan@hp.com', 'tne1@123'), ('A002', 'Mrs.', 'RADHIKA MOHAN', 'Kerala',
'Java', 'Bachelor of Engineering In Information Technology',
'Radhika.Mohan@cognizant.com', 'tne2@123'), ('A003', 'Mr.', 'KISHORE SRINIVAS', 'Chennai',
'Java', 'Bachelor of Engineering In Computers', 'Kishore.Srinivas@ibm.com', 'tne3@123'),
('A004', 'Mr.', 'ANAND RANGANATHAN', 'Mumbai', 'DotNet', 'Master of Computer
Applications', 'Anand.Ranganathan@finolex.com', 'tne4@123'), ('A005', 'Miss.', 'LEELA
MENON', 'Kerala', 'Mainframe', 'Bachelor of Engineering In Information Technology',
'Leela.Menon@microsoft.com', 'tne5@123'), ('A006', 'Mrs.', 'ARTI KRISHNAN', 'Pune',
'Testing', 'Master of Computer Applications', 'Arti.Krishnan@cognizant.com', 'tne6@123'),
('A007', 'Mr.', 'PRABHAKAR SHUNMUGHAM', 'Mumbai', 'Java', 'Bachelor of Technology',
'Prabhakar.Shunmugham@honda.com', 'tne7@123');


INSERT INTO Module_Info(Module_Id, Module_Name, Module_Duration) VALUES('O10SQL', 'Oracle
10g SQL', 16),  ('O10PLSQL', 'Oracle 10g PL/ SQL', 16), ('J2SE', 'Core Java SE 1.6',
288),      ('J2EE', 'Advanced Java EE 1.6', 80),      ('JAVAFX', 'JavaFX 2.1',
80),      ('DOTNT4', '.Net Framework 4.0', 50),      ('SQL2008', 'MS SQl Server 2008',
120);

INSERT INTO Associate_Status(Associate_Id, Module_Id, Batch_Id, Trainer_Id, Start_Date,
End_Date)VALUES('A001', 'O10SQL', 'F001', '2000-12-15', '2000-12-25'),   ('A002',
'O10SQL',  'F001', '2000-12-15', '2000-12-25'),   ('A003', 'O10SQL', 'F001', '2000-12-15',
'2000-12-25'),   ('A001', 'O10PLSQL', , 'F002', '2001-2-1', '2001-2-12'),   ('A002',
'O10PLSQL', , 'F002', '2001-2-1', '2001-2-12'),   ('A003', 'O10PLSQL', 'F002', '2001-2-1',
'2001-2-12'),
```

3.) Select all the records from Trainer_info and associate_info Table

```
SELECT * FROM Trainer_info
SELECT * FROM associate_info
```

4.) Select the data for associate_Id A003 from both associate_id and associate_status Table.

```
SELECT * FROM associate_status WHERE associate_id=A003;
```

5.) Select all the module_id having duration more than 50 hours.

```
SELECT module_id FROM module_info WHERE module_duration>50;
```

6.) Select all trainers whose location is Pune.

```
SELECT Associate_name,Assosciate_id FROM Associate_info WHERE Associate_location="PUNE";
```

7.) Select the Associates whose status is active in the associate_status Table.

```sql
SELECT Associate_id
FROM Associate_status
LEFT JOIN Associate_info.Associate_name
WHOSE Start_Date!=End_Date;
```