

# ASSIGNMENT-1

## Set:1

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

### 1. Create Tables

```
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_Id VARCHAR(20);
```

```
ALTER TABLE Associate_Status ADD CONSTRAINT FK_Trainer_Id_ FOREIGN KEY (Trainer_Id)  
REFERENCES Trainer_Info(Trainer_Id);
```

## **2. INSERT DATA**

```
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),
('DOTNET4', '.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,Associate\_id FROM Associate\_info WHERE Associate\_location="PUNE";

**7. Select the Associates whose status is active in the associate\_status Table.**

SELECT Associate\_id

FROM Associate\_status

LEFT JOIN Associate\_info.Associate\_name

WHOSE Start\_Date!=End\_Date;