**ASSIGNMENT-1**

Prerequisite :: Please execute all the below scripts to create database ,Create Tables and Insert Data scripts.

Script already includes Primary\_Key,Foreign Key and constraints concepts.

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), ('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', '2000-1225'), ('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

4.) Select the data for associate\_Id A003 fro both associate\_id and associate\_status Table.

5.) Select all the module\_id having duration more than 50 hours

6.) Select all trainers whose location is Pune

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