**ASSIGNMENT-1**

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

**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),;**

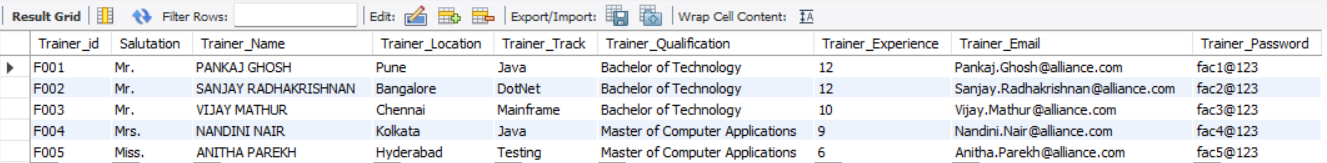
**2. INSERT DATA**

**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',**

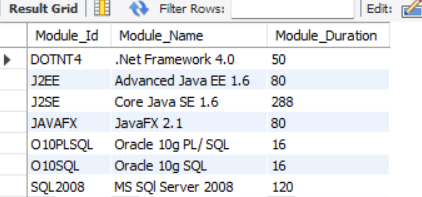
**'fac4@123'), ('F005', 'Miss.', 'ANITHA PAREKH', 'Hyderabad', 'Testing', 'Master of Computer Applications', 6, 'Anitha.Parekh@alliance.com', 'fac5@123');**

**INSERT INTO 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);**

**Ans)**

**After creating table and inserting values of table Trainer\_Info:**

**After creating table and inserting values of table Module\_Info:**

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**3.) Identify the primary key for both the tables.**

|  |  |
| --- | --- |
| **TABLE NAME** | **PRIMARY KEY** |
| Trainer\_Info | Trainer\_Id |
| Module\_Info | Module\_Id |

4.) Identify all the NOT NULL Fields for both the tables.

|  |  |
| --- | --- |
| **TABLE NAME** | **FIELDS WITH NOT NULL** |
| Trainer\_Info | Salutation, Trainer\_Name, Trainer\_Location, Trainer\_Track,  Trainer\_Qualification, Trainer\_Experience, Trainer\_Email,  Trainer\_Password |
| Module\_Info | NONE |

**5.) List out all the fields with specification/Data Type as INT .**

|  |  |
| --- | --- |
| **TABLE NAME** | **INT DATA TYPE** |
| Trainer\_Info | Trainer\_Experience |
| Module\_Info | Module\_Duration |

**6.) Identify all the fields with unique constraint.**

Field with Unique constraint are: **Trainer\_Email.**