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

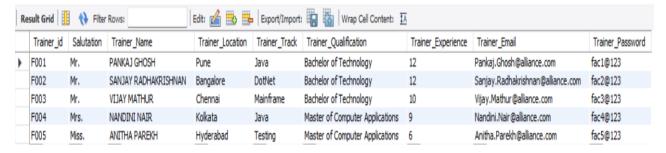
INSERT INTO Trainer_Info(Trainer_Id, Salutation, Trainer_Name, Trainer_Location, Trainer_Track, Trainer_Qualification, Trainer_Experience, Trainer_Email, Trainer_Password) VALUES ('F001', 'Mr.', 'PANKAJ GHOSH', 'Pune', 'Java', 'Bachelor of Technology', 12, 'Pankaj.Ghosh@alliance.com', 'fac1@123'), ('F002', '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 SQI Server 2008', 120);

Ans)

After creating table and inserting values of table Trainer_Info:



After creating table and inserting values of table Module_Info:

Result Grid				
	Module_Id	Module_Name	Module_Duration	
١	DOTNT4	.Net Framework 4.0	50	
	J2EE	Advanced Java EE 1.6	80	
	J2SE	Core Java SE 1.6	288	
	JAVAFX	JavaFX 2.1	80	
	O10PLSQL	Oracle 10g PL/SQL	16	
	O10SQL	Oracle 10g SQL	16	
	SQL2008	MS SQl Server 2008	120	

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.