Assignment 1

1. Execute Query

```sql
Create table Trainer_info(Trainer_id VARCHAR(20) PRIMARYKEY,
Saluation VARCHAR(7) NOT NULL,
TRAINER_Name VARCHAR(30) NOT NULL,
Trainer_Location VARCHAR(30) NOT NUL,
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) Execute Query

```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 GHPOSH','PUNE','JAVA','BACHELOR OF
TECHNOLOGY',12,'Pankaj.Ghosh@alliance.com','fac1@123');
INSERT INTO Trainer_Info(Trainer_id,salutation,Trainer_Name,Trainer_Location,
Trainer_Track, Trainer_Qualification,  Trainer_Experience, Trainer_Email,
Trainer_password)VALUES('F002','Mr.','SANJAY RADHAKRISHNAN','Bangalore','DotNet','BACHELOR
OF TECHNOLOGY',12,'Sanjay.Radhakrishnan@alliance.com','fac2@123');
INSERT INTO Trainer_Info(Trainer_id,salutation,Trainer_Name,Trainer_Location,
Trainer_Track, Trainer_Qualification,  Trainer_Experience, Trainer_Email,
Trainer_password)VALUES('F003','Mr.','VIJAY MATHUR','Chennai','Mainframe','BACHELOR OF
TECHNOLOGY',10,Vijay.Mathur@alliance.com','fac2@123');
INSERT INTO Trainer_Info(Trainer_id,salutation,Trainer_Name,Trainer_Location,
Trainer_Track, Trainer_Qualification,  Trainer_Experience, Trainer_Email,
Trainer_password)VALUES('F004','Mr.','SANJAY RADHAKRISHNAN','Bangalore','DotNet','BACHELOR
OF TECHNOLOGY',12,'Sanjay.Radhakrishnan@alliance.com','fac2@123');
INSERT INTO Trainer_Info(Trainer_id,salutation,Trainer_Name,Trainer_Location,
Trainer_Track, Trainer_Qualification,  Trainer_Experience, Trainer_Email,
Trainer_password)VALUES('F005','Mr.','SANJAY RADHAKRISHNAN','Bangalore','DotNet','BACHELOR
OF TECHNOLOGY',12,'Sanjay.Radhakrishnan@alliance.com','fac2@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',NetFrame 4.0',50),  ('SQL2008',MS SQl Server 2008',120);
```

3) Identify the primary key for both the tables

- `Trainee_id`
- `Module_id`

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

`Trainer_id,Salutation,Trainer_Name,`

`Trainer_Location,Trainer_Track,`

`Trainer_Qualification,Trainer_Experience,`

`Trainer_Email,Trainer_Password`

`Module_Id`

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

`Trainer_Experience`

`Module_Duration`

6) Identify all the fields with unique constraint.

`Trainer_Email`