

1) Write Query to showcase one Trainer and one Module relationship.

```
CREATE TABLE Trainer_Info( Trainer_Id INT(3) PRIMARY KEY, Trainer_Name VARCHAR(30) NOT NULL, Trainer_Email VARCHAR(50) NOT NULL);
```

```
INSERT INTO Trainer_Info ( Trainer_Id, Trainer_Name, Trainer_Email) VALUES (101, 'HARI', 'hari@gmail.com');
```

```
INSERT INTO Trainer_Info ( Trainer_Id, Trainer_Name, Trainer_Email) VALUES (102, 'KEERTHI', keerthi@gmail.com');
```

```
INSERT INTO Trainer_Info ( Trainer_Id, Trainer_Name, Trainer_Email) VALUES (103, 'SHARAN', 'sharan@gmail.com');
```

```
CREATE TABLE Module_Info( Module_Id INT(5) PRIMARY KEY,Module_Name VARCHAR(25) NOT NULL, Trainer_Id INT(3) NOT NULL UNIQUE, FOREIGN KEY(Trainer_Id) REFERENCES Trainer_Info(Trainer_Id));
```

```
INSERT INTO Module_Info ( Module_Id, Module_Name, Trainer_Id) VALUES ( 50001, 'M1', 102);
```

```
INSERT INTO Module_Info ( Module_Id, Module_Name, Trainer_Id) VALUES ( 50003, 'M2', 103);
```

```
INSERT INTO Module_Info ( Module_Id, Module_Name, Trainer_Id) VALUES ( 50004, 'M3', 101);
```

2) Write Query to showcase one Trainer and Many Module relationship.

```
CREATE TABLE Trainer_Info( Trainer_Id INT(3) PRIMARY KEY, Trainer_Name VARCHAR(30) NOT NULL, Trainer_Email VARCHAR(50) NOT NULL);
```

```
INSERT INTO Trainer_Info ( Trainer_Id, Trainer_Name, Trainer_Email) VALUES (101, 'HARI', 'hari@gmail.com');
```

```
INSERT INTO Trainer_Info ( Trainer_Id, Trainer_Name, Trainer_Email) VALUES (102, 'KEERTHI', keerthi@gmail.com');
```

```
INSERT INTO Trainer_Info ( Trainer_Id, Trainer_Name, Trainer_Email) VALUES (103, 'SHARAN', 'sharan@gmail.com');
```

```
CREATE TABLE Module_Info( Module_Id INT(5) PRIMARY KEY,Module_Name VARCHAR(25) NOT NULL, Trainer_Id INT(3) NOT NULL, FOREIGN KEY(Trainer_Id) REFERENCES Trainer_Info(Trainer_Id));
```

```
INSERT INTO Module_Info ( Module_Id, Module_Name, Trainer_Id) VALUES ( 50001, 'M1', 102);
```

```
INSERT INTO Module_Info ( Module_Id, Module_Name, Trainer_Id) VALUES ( 50003, 'M2', 103);
```

```
INSERT INTO Module_Info ( Module_Id, Module_Name, Trainer_Id) VALUES ( 50004, 'M3', 101);
```

```
INSERT INTO Module_Info ( Module_Id, Module_Name, Trainer_Id) VALUES ( 50002, 'M3', 101);
```

```
INSERT INTO Module_Info ( Module_Id, Module_Name, Trainer_Id) VALUES ( 50005, 'M3', 102);
```

3) Write Query to showcase many Trainer and Many Module relationship.

```
CREATE TABLE Trainer_Info( Trainer_Id INT(3) PRIMARY KEY, Trainer_Name VARCHAR(30) NOT NULL, Trainer_Email VARCHAR(50) NOT NULL);
```

```
INSERT INTO Trainer_Info ( Trainer_Id, Trainer_Name, Trainer_Email) VALUES (101, 'HARI', 'hari@gmail.com');
```

```
INSERT INTO Trainer_Info ( Trainer_Id, Trainer_Name, Trainer_Email) VALUES (102, 'KEERTHI', keerthi@gmail.com');
```

```
INSERT INTO Trainer_Info ( Trainer_Id, Trainer_Name, Trainer_Email) VALUES (103, 'SHARAN', 'sharan@gmail.com');
```

```
CREATE TABLE Module_Info( Module_Id INT(5) PRIMARY KEY,Module_Name VARCHAR(25) NOT NULL);
```

```
INSERT INTO Module_Info ( Module_Id, Module_Name, Trainer_Id) VALUES ( 50001, 'M1');
```

```
INSERT INTO Module_Info ( Module_Id, Module_Name, Trainer_Id) VALUES ( 50003, 'M2');
```

```
INSERT INTO Module_Info ( Module_Id, Module_Name, Trainer_Id) VALUES ( 50004, 'M3');
```

```
INSERT INTO Module_Info ( Module_Id, Module_Name, Trainer_Id) VALUES ( 50002, 'M4');
```

```
INSERT INTO Module_Info ( Module_Id, Module_Name, Trainer_Id) VALUES ( 50005, 'M5');
```

```
CREATE TABLE Tranier_To_Module ( Trainer_Id INT(3), Module_Id INT(5), FOREIGN KEY (Trainer_Id) REFERENCES Trainer_Info(Trainer_Id), FOREIGN KEY (Module_Id) REFERENCES Module_Info(Module_Id), UNIQUE( Trainer_Id, Module_Id));
```

```
INSERT INTO Trainer_To_Module ( Trainer_Id, Module_Id) VALUES (101, 50001);
```

```
INSERT INTO Trainer_To_Module ( Trainer_Id, Module_Id) VALUES (101, 50003);
```

```
INSERT INTO Trainer_To_Module ( Trainer_Id, Module_Id) VALUES (102, 50005);
```

```
INSERT INTO Trainer_To_Module ( Trainer_Id, Module_Id) VALUES (103, 50003);
```

```
INSERT INTO Trainer_To_Module ( Trainer_Id, Module_Id) VALUES (103, 50002);
```

```
INSERT INTO Trainer_To_Module ( Trainer_Id, Module_Id) VALUES (102, 50004);
```