

## Assignment 2

### 1) Showcase one Trainer and one Module relationship

```
create table OneToOne (
  Trainee_id varchar(20) primary key,
  Module_id varchar(20) NOT NULL unique ,
  foreign key(Module_id) references module_info(Module_id)
);
insert into onetoone value("f002","DOTNT4");
insert into onetoone value("f003","SQL2008");
insert into onetoone value("f004","J2SE");
insert into onetoone value("f001","J2EE");
```

f001 J2EE  
f002 DOTNT4  
f003 SQL2008  
f004 J2SE

### 2) showcase one Trainer and Many Module relationship

```
create table OneToMany (
  Trainee_id varchar(20) NOT NULL primary Key ,
  Module_id varchar(20) NOT NULL ,
  foreign key(Module_id) references module_info(Module_id)
  -- foreign key (Trainee_id) references trainer_info(trainer_id)
);

insert into OneToMany value("f002","DOTNT4");
insert into OneToMany value("f001","J2SE");
insert into OneToMany value("f004","J2SE");
```

f002 DOTNT4  
f001 J2SE  
f004 J2SE

### 3) showcase many Trainers and Many Modules relationship

```
create table ManyToMany (  
  Trainee_id varchar(20) NOT NULL,  
  Module_id varchar(20) NOT NULL ,  
  foreign key (Module_id) references module_info (Module_id),  
  foreign key (Trainee_id) references trainer_info (trainer_id)  
);  
insert into ManyToMany value ("f002", "DOTNT4");  
insert into ManyToMany value ("f001", "J2SE");  
insert into ManyToMany value ("f001", "J2EE");  
insert into ManyToMany value ("f004", "J2EE");  
insert into ManyToMany value ("f001", "JAVAFX");  
insert into ManyToMany value ("f004", "J2SE");
```

f002 DOTNT4

f001 J2SE

f001 J2EE

f004 J2EE

f001 JAVAFX

f004 J2SE