

```
create database INSEdataBase;
use INSEdataBase;
```

```
CREATE TABLE theoryTest (
    theoryTestID INT NOT NULL AUTO_INCREMENT,
    testType varchar(30) NOT NULL
);
```

```
CREATE TABLE User (
    userID INT NOT NULL AUTO_INCREMENT,
    Registered BOOL DEFAULT FALSE,
    userFname varchar(20) NOT NULL,
    userLname varchar(20) NOT NULL,
    userEmail varchar(30) NOT NULL ,
    userDOB DATE NOT NULL,
    userPassword varchar(40) NOT NULL,
    testResultID INT NOT NULL,
    PRIMARY KEY (userID),
    UNIQUE KEY (userEmail),
    FOREIGN KEY (testResultID) REFERENCES testResult(testResultID)
);
```

```
CREATE TABLE userTest (
    userID INT NOT NULL,
    theorytestID INT NOT NULL,
    PRIMARY KEY (userID, theoryTestID),
    FOREIGN KEY (userID) REFERENCES User(userID),
    FOREIGN KEY (theorytestID) REFERENCES theoryTest (theoryTestID)
);
```

```
CREATE TABLE Question (
    QuestionID INT NOT NULL AUTO_INCREMENT,
    questionTopic varchar(25) NOT NULL,
    questionContents varchar(100) NOT NULL,
    PRIMARY KEY (QuestionID)
);
```

```
CREATE TABLE testQuestion (
    theoryTestID INT NOT NULL,
    QuestionID INT NOT NULL,
    PRIMARY KEY (theoryTestID, QuestionID),
    FOREIGN KEY (theoryTestID) REFERENCES theoryTest (theoryTestID),
    FOREIGN KEY (QuestionID) REFERENCES Question (QuestionID)
);
```

```
CREATE TABLE testResult (  
    testResultID INT NOT NULL AUTO_INCREMENT,  
    practTestResult varchar(10) NOT NULL,  
    topicResult varchar(10) NOT NULL,  
    quizResult varchar(10) NOT NULL,  
    PRIMARY KEY (testResultID)  
);
```

```
CREATE TABLE Answer (  
    AnswerID INT NOT NULL AUTO_INCREMENT,  
    answerTopic varchar(25) NOT NULL,  
    answerContents varchar(80) NOT NULL,  
    PRIMARY KEY (AnswerID)  
);
```

```
CREATE TABLE testAnswer (  
    theoryTestID INT NOT NULL,  
    AnswerID INT NOT NULL,  
    PRIMARY KEY (theoryTestID, AnswerID),  
    FOREIGN KEY (theoryTestID) REFERENCES theoryTest (theoryTestID),  
    FOREIGN KEY (AnswerID) REFERENCES Answer (AnswerID)  
);
```