

National Institute of Technology Meghalaya



Assignment No: 03

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Programme: Master of Technology

Department: Computer Science & Engineering

Semester: 1

Course Name: ADVANCED DBMS LAB

Course Code: CS553

Assignment 03

SQL Code for creating Table 01

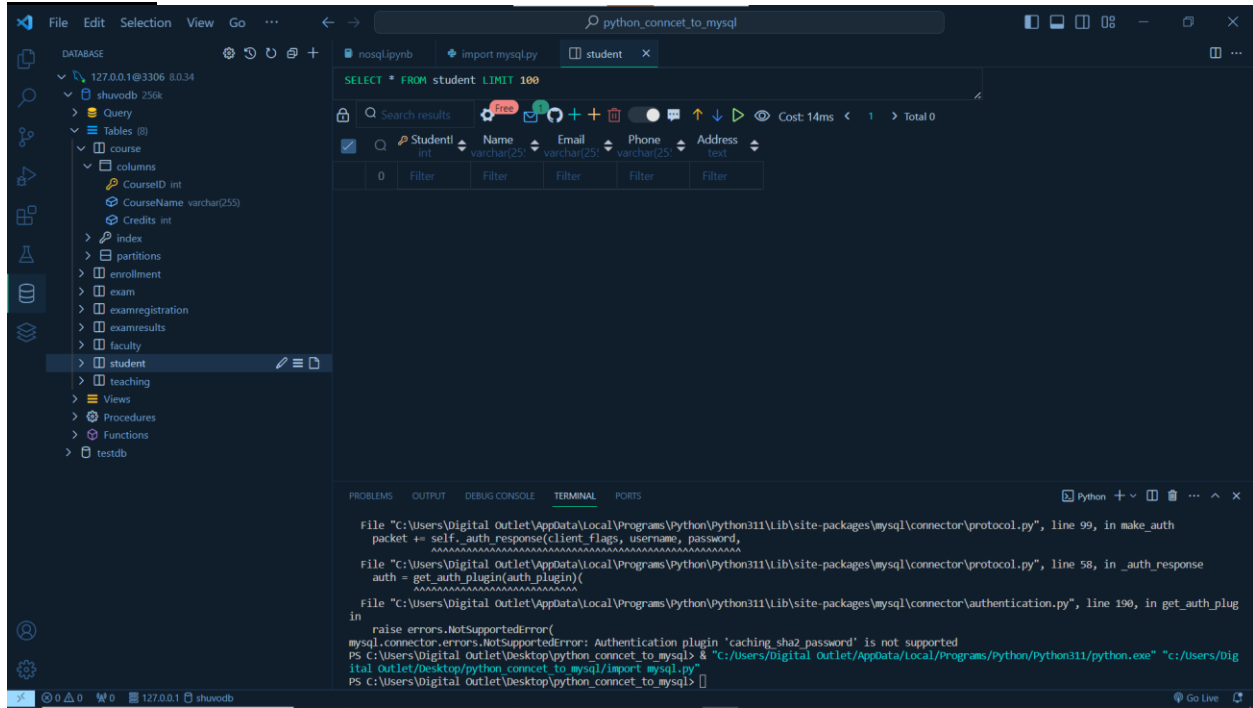
```
import mysql.connector

conn = mysql.connector.connect(host='localhost', password='shuvo634',
user='root', database='shuvodb')

mycursor = conn.cursor()

Table_1="""
create table if not exists Student(
StudentID int PRIMARY KEY,
Name varchar(255),
Email varchar(255),
Phone varchar(255),
Address text
)
"""
```

Screenshot



SQL Code for creating Table 02

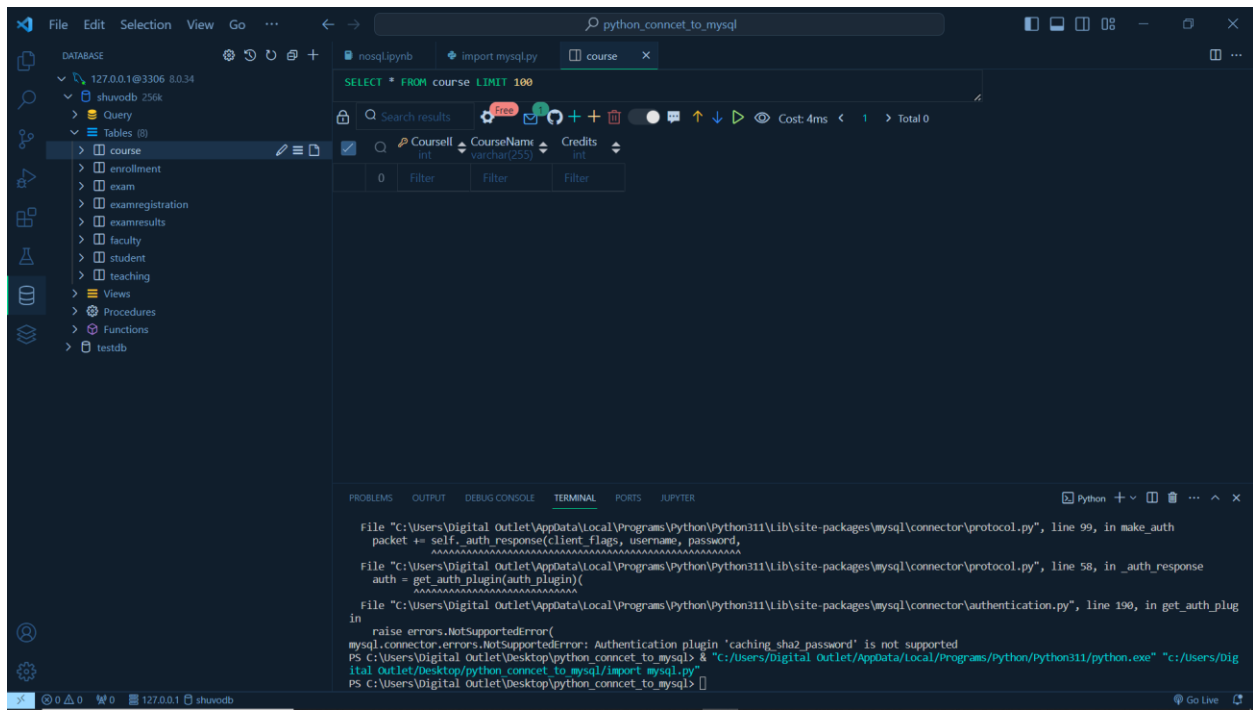
```
Table_2="""
create table if not exists Course(
```

```

CourseID int PRIMARY KEY,
CourseName varchar(255),
Credits int
)
"""

```

Screenshot



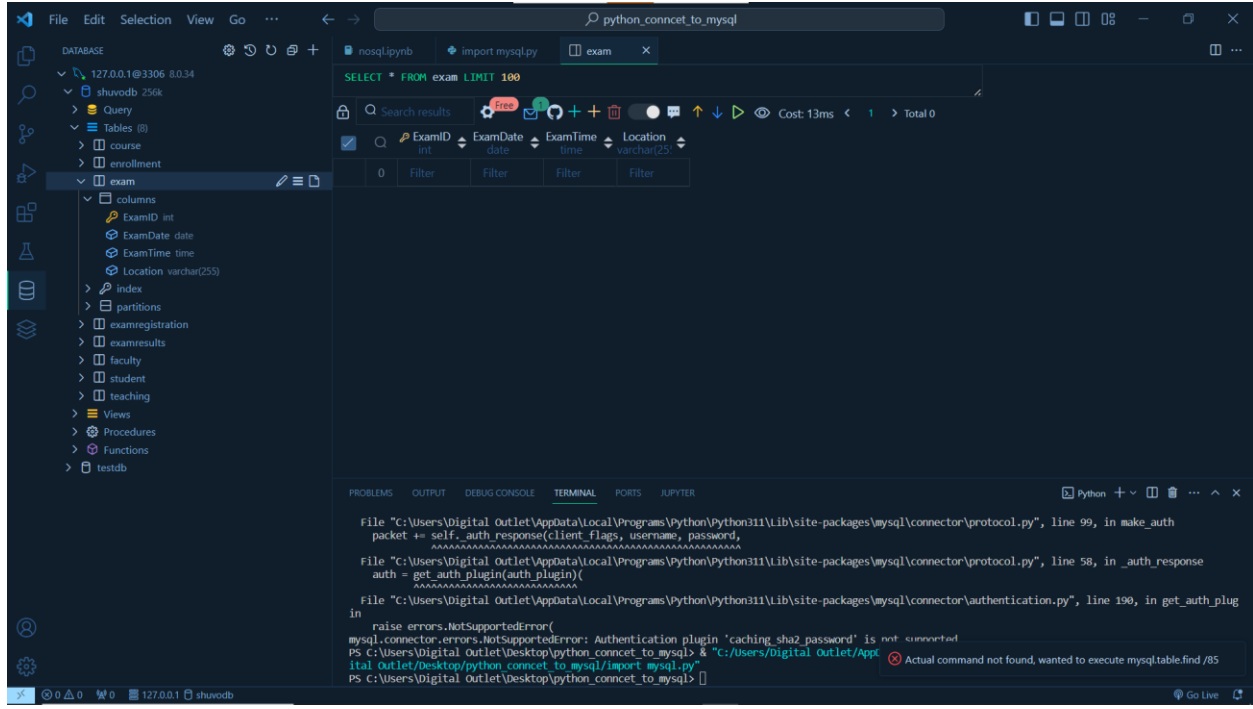
SQL Code for creating Table 03

```

Table_3="""
create table if not exists Exam(
ExamID int PRIMARY KEY,
ExamDate Date,
ExamTime Time,
Location varchar(255)
)
"""

```

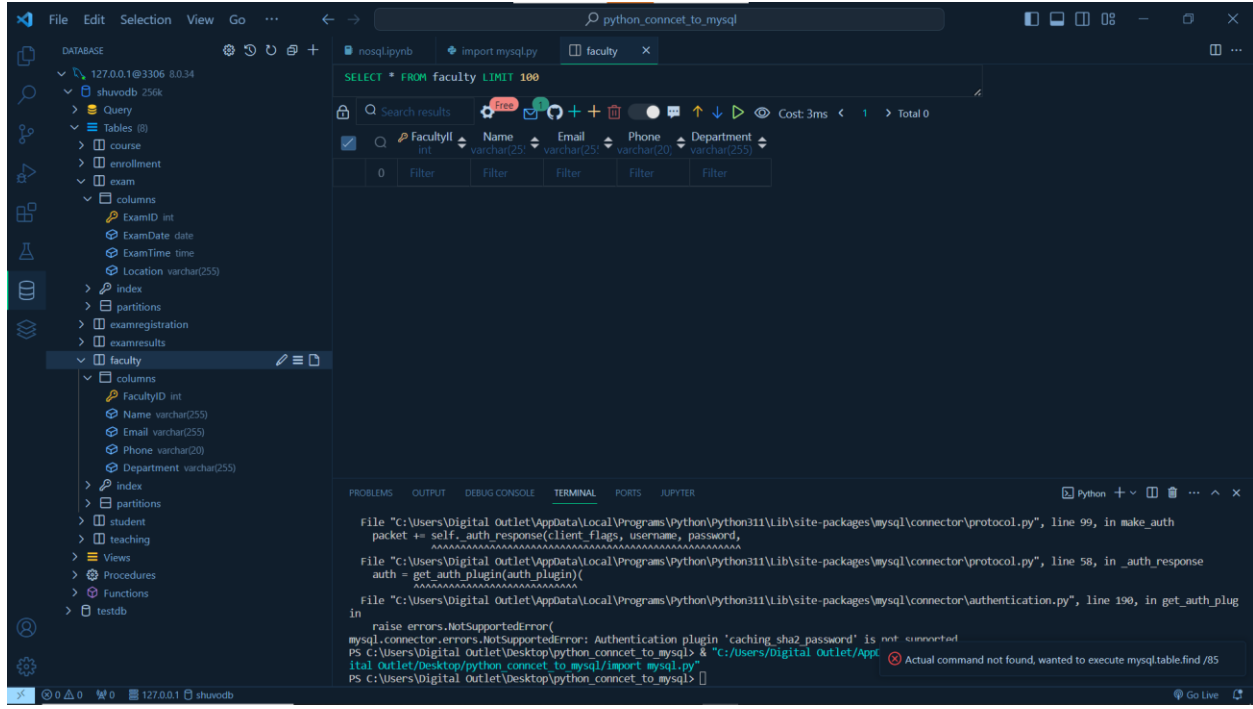
Screenshot



SQL Code for creating Table 04

```
Table_4="""
create table if not exists Faculty(
FacultyID int PRIMARY KEY,
Name varchar(255),
Email varchar(255),
Phone varchar(20),
Department varchar(255)
)
"""
```

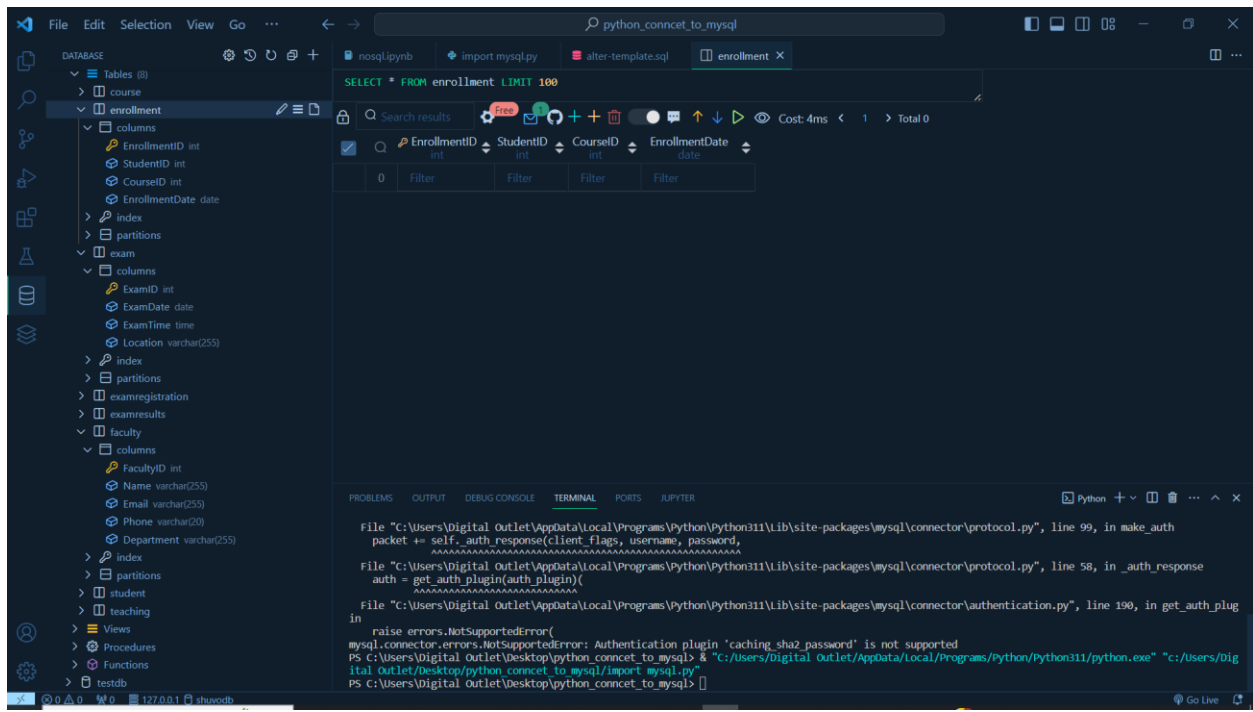
Screenshot



SQL Code for creating Table 05

```
Table_5=""
create table if not exists Enrollment(
EnrollmentID int PRIMARY KEY,
StudentID int,
CourseID int,
EnrollmentDate date,
Foreign key(StudentID) references Student(StudentID),
Foreign key(CourseID) references Course(CourseID)
)
"""
```

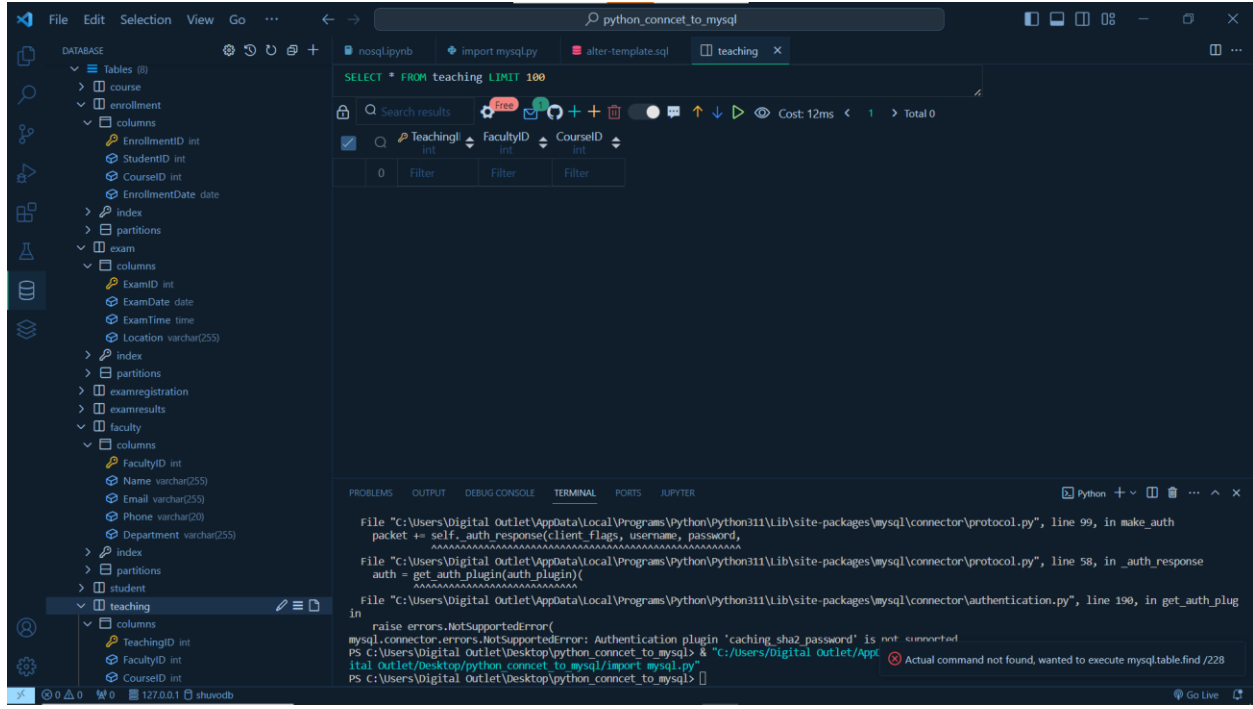
Screenshot



SQL Code for creating Table 06

```
Table_6="""
create table if not exists Teaching(
TeachingID int PRIMARY KEY,
FacultyID int,
CourseID int,
Foreign key(FacultyID) references Faculty(FacultyID),
Foreign key(CourseID) references Course(CourseID)
)
"""
```

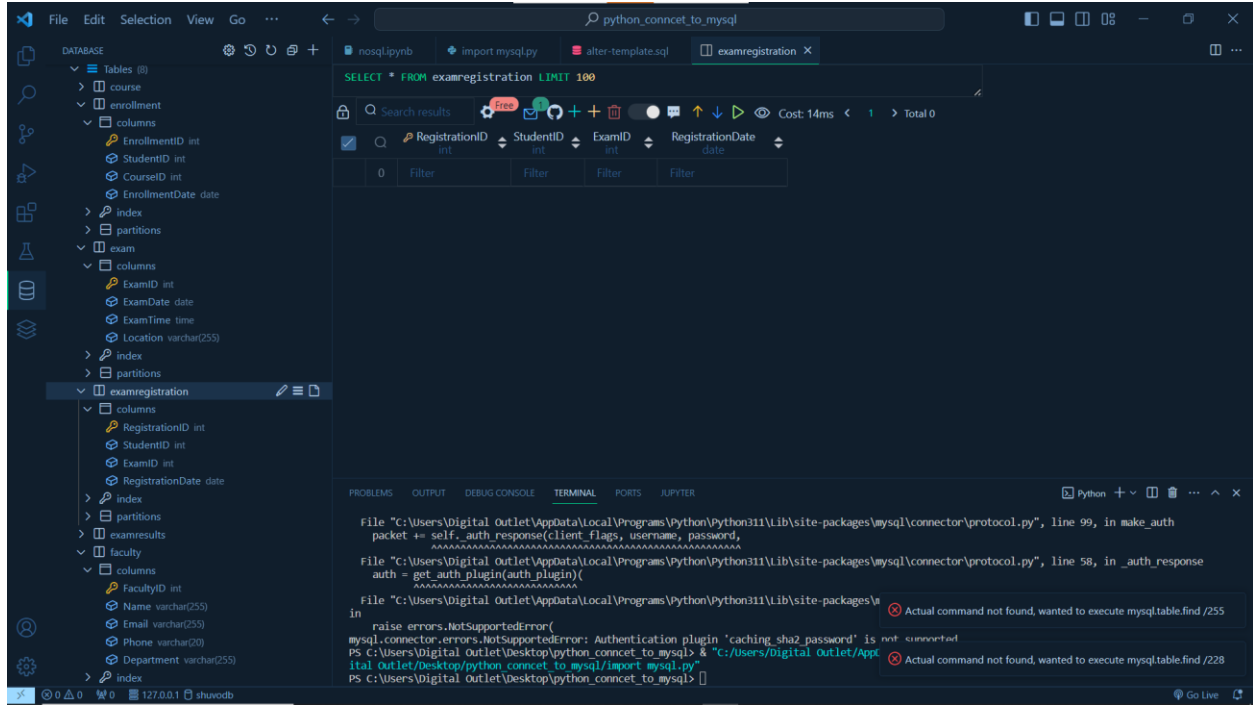
Screenshot



SQL Code for creating Table 07

```
Table_7="""
create table if not exists ExamRegistration(
RegistrationID int PRIMARY KEY,
StudentID int,
ExamID int,
RegistrationDate Date,
Foreign key(StudentID) references Student(StudentID),
Foreign key(ExamID) references Exam(ExamID)
)
"""
```

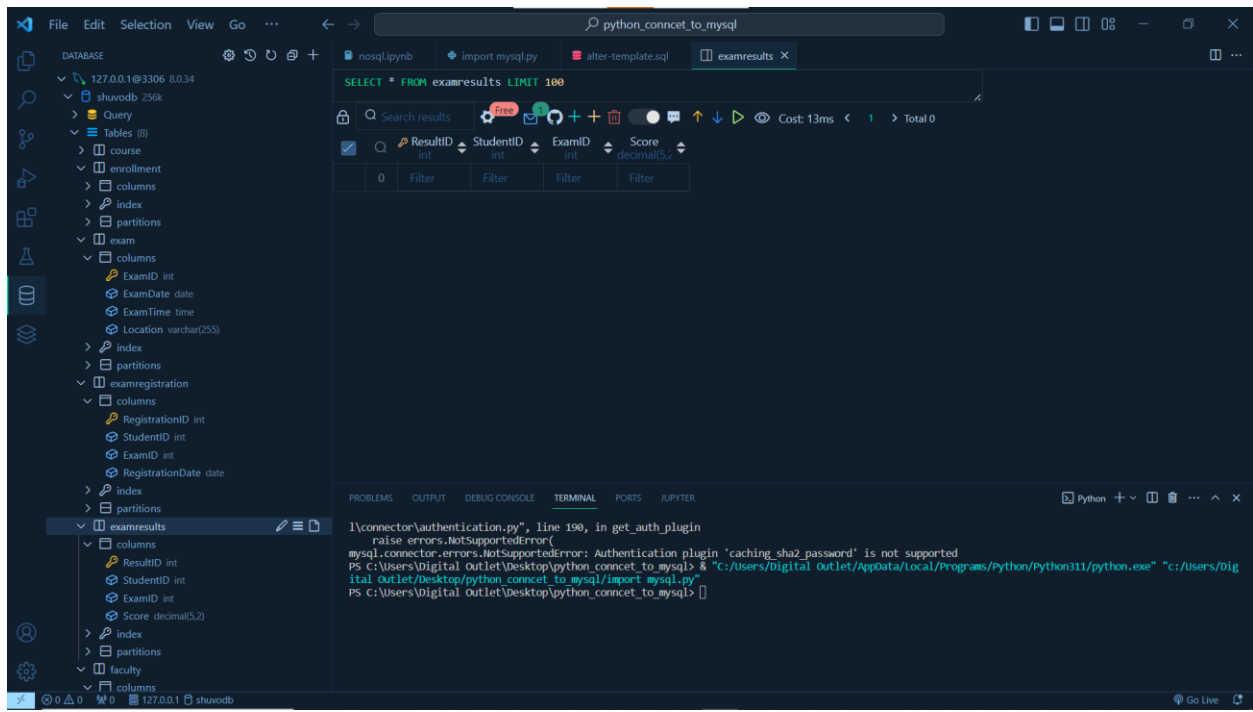
Screenshot



SQL Code for creating Table 08

```
Table_8="""
create table if not exists ExamResults(
ResultID int PRIMARY KEY,
StudentID int,
ExamID int,
Score Decimal(5,2),
Foreign key(StudentID) references Student(StudentID),
Foreign key(ExamID) references Exam(ExamID)
)
"""
```


Screenshot



Full Code

```
import mysql.connector

conn = mysql.connector.connect(host='localhost', password='shuvo634',
                               user='root', database='shuvodb')

mycursor = conn.cursor()

Table_1="""
create table if not exists Student(
StudentID int PRIMARY KEY,
Name varchar(255),
Email varchar(255),
Phone varchar(255),
Address text
)
"""

Table_2="""
create table if not exists Course(
```

```
CourseID int PRIMARY KEY,  
CourseName varchar(255),  
Credits int  
)  
""  
Table_3=""  
create table if not exists Exam(  
ExamID int PRIMARY KEY,  
ExamDate Date,  
ExamTime Time,  
Location varchar(255)  
)  
""  
Table_4=""  
create table if not exists Faculty(  
FacultyID int PRIMARY KEY,  
Name varchar(255),  
Email varchar(255),  
Phone varchar(20),  
Department varchar(255)  
)  
""  
Table_5=""  
create table if not exists Enrollment(  
EnrollmentID int PRIMARY KEY,  
StudentID int,  
CourseID int,  
EnrollmentDate date,  
Foreign key(StudentID) references Student(StudentID),  
Foreign key(CourseID) references Course(CourseID)  
)  
""  
Table_6=""  
create table if not exists Teaching(  
TeachingID int PRIMARY KEY,  
FacultyID int,  
CourseID int,  
Foreign key(FacultyID) references Faculty(FacultyID),  
Foreign key(CourseID) references Course(CourseID)  
)  
""  
Table_7=""  
create table if not exists ExamRegistration(  
RegistrationID int PRIMARY KEY,  
StudentID int,
```

```
ExamID int,  
RegistrationDate Date,  
Foreign key(StudentID) references Student(StudentID),  
Foreign key(ExamID) references Exam(ExamID)  
)  
""  
  
Table_8=""  
create table if not exists ExamResults(  
ResultID int PRIMARY KEY,  
StudentID int,  
ExamID int,  
Score Decimal(5,2),  
Foreign key(StudentID) references Student(StudentID),  
Foreign key(ExamID) references Exam(ExamID)  
)  
""  
  
mycursor.execute(Table_1)  
mycursor.execute(Table_2)  
mycursor.execute(Table_3)  
mycursor.execute(Table_4)  
mycursor.execute(Table_5)  
mycursor.execute(Table_6)  
mycursor.execute(Table_7)  
mycursor.execute(Table_8)  
conn.commit()  
conn.close()
```