

Assignment 4: Insert into tables

Table 1: Student Table

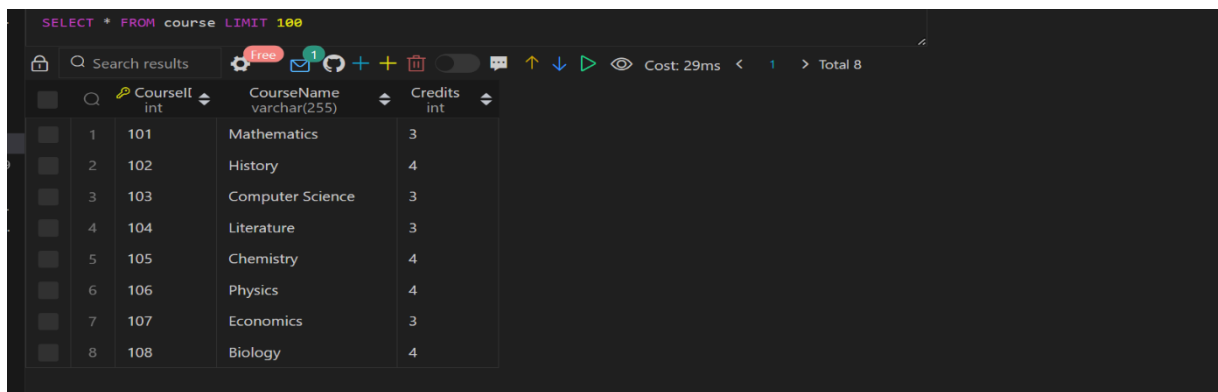
```
import mysql.connector
conn = mysql.connector.connect(host='localhost', password='123456789',
user='root', database = "db")
mycursor=conn.cursor()
Insert_1 = '''
INSERT INTO Student(StudentID,Name,Email,Phone,Address)
VALUES (1, "John Doe", "john.doe@example.com", "123-456-7890", "123 Main
St"),
      (2, "Jane Smith", "jane.smith@example.com", "987-654-3210", "456 Elm
St"),
      (4, "Emily White", "emily.white@example.com", "111-222-3333", "567 Pine
St"),
      (5, "Michael Lee", "michael.lee@example.com", "333-444-5555", "789
Cedar Dr"),
      (6, "Sarah Brown", "sarah.brown@example.com", "555-666-7777", "890
Willow Ln"),
      (7, "David Clark", "david.clark@example.com", "777-888-9999", "123
Birch Ave"),
      (8, "Melissa Turner", "melissa.turner@example.com", "888-999-0000",
"456 Redwood Rd");
'''
mycursor.execute(Insert_1)
conn.commit()
conn.close()
```

SELECT * FROM student LIMIT 100

	StudentID int	Name varchar(255)	Email varchar(255)	Phone varchar(255)	Address text
1	1	John Doe	john.doe@example.com	123-456-7890	123 Main St
2	2	Jane Smith	jane.smith@example.com	987-654-3210	456 Elm St
3	3	Robert Johnson	robert.j@example.com	555-123-4567	789 Oak Ave
4	4	Emily White	emily.white@example.com	111-222-3333	567 Pine St
5	5	Michael Lee	michael.lee@example.com	333-444-5555	789 Cedar Dr
6	6	Sarah Brown	sarah.brown@example.com	555-666-7777	890 Willow Ln
7	7	David Clark	david.clark@example.com	777-888-9999	123 Birch Ave
8	8	Melissa Turner	melissa.turner@example.com	888-999-0000	456 Redwood Rd

Table 2: Course Table

```
import mysql.connector
conn = mysql.connector.connect(host='localhost', password='123456789',
user='root', database = "db")
mycursor=conn.cursor()
Insert_2 = '''
INSERT INTO Course (CourseID, CourseName, Credits)
VALUES (101, "Mathematics" ,3),
      (102, "History", 4),
      (104, "Literature",3),
      (105, "Chemistry", 4),
      (106, "Physics", 4),
      (107, "Economics",3),
      (108, "Biology", 4);
'''
mycursor.execute(Insert_2)
conn.commit()
conn.close()
```



SELECT * FROM course LIMIT 100

Search results

Free 1

Cost: 29ms < 1 > Total 8

	CourseID int	CourseName varchar(255)	Credits int
1	101	Mathematics	3
2	102	History	4
3	103	Computer Science	3
4	104	Literature	3
5	105	Chemistry	4
6	106	Physics	4
7	107	Economics	3
8	108	Biology	4

Table 3: Exam Table

```
import mysql.connector
conn = mysql.connector.connect(host='localhost', password='123456789',
user='root', database = "db")
mycursor=conn.cursor()
Insert_3 = '''
INSERT INTO Exam(ExamID, ExamDate, ExamTime, Location)
VALUES (201, "2023-11-10", "09:00:00", "Exam Hall A"),
      (202, "2023-11-12", "14:00:00", "Exam Hall B"),
      (203, "2023-11-15", "10:30:00", "Exam Hall C"),
      (204, "2023-11-18", "15:15:00", "Exam Hall D"),
      (205, "2023-11-20", "13:00:00", "Exam Hall E");
'''

mycursor.execute(Insert_3)
conn.commit()
conn.close()
```

SELECT * FROM exam LIMIT 100

Search results

Free 1

Cost: 16ms < 1 > Total 5

	ExamID int	ExamDate date	ExamTime time	Location varchar(255)
1	201	2023-11-10	09:00:00	Exam Hall A
2	202	2023-11-10	14:00:00	Exam Hall B
3	203	2023-11-15	10:30:00	Exam Hall C
4	204	2023-11-18	15:15:00	Exam Hall D
5	205	2023-11-20	13:00:00	Exam Hall A

Table 4: Faculty Table

```
import mysql.connector
conn = mysql.connector.connect(host='localhost', password='123456789',
user='root', database = "db")
mycursor=conn.cursor()
Table_4="""
Insert_4 = '''
INSERT INTO Faculty(FacultyID, Name, Email, Phone, Department)
VALUES (301, "Dr. Smith", "smith@example.com", "111-222-3333",
"Mathematics"),
      (302, "Prof. Johnson" ,"johnson@example.com", "444-555-6666",
"History"),
      (303, "Prof. Brown", "brown@example.com", "777-888-9999", "Computer
Science"),
      (304, "Dr. Parker", "parker@example.com", "888-777-6666",
"Chemistry"),
      (305, "Prof. Adams", "adams@example.com", "999-888-7777", "Physics"),
      (306, "Dr. Wilson", "wilson@example.com", "555-444-3333",
"Economics"),
      (307, "Prof. Davis", "davis@example.com", "333-222-1111", "Biology"),
      (308, "Dr. Turner", "turner@example.com", "222-333-4444",
"Literature");
'''

mycursor.execute(Insert_4)
conn.commit()
conn.close()
```

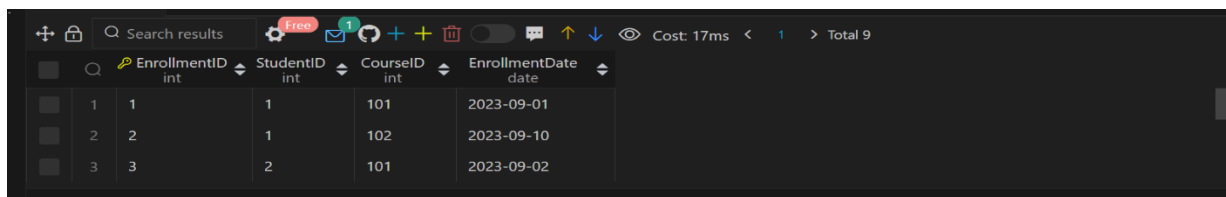
SELECT * FROM faculty LIMIT 100

	FacultyID int	Name varchar(255)	Email varchar(255)	Phone varchar(20)	Department varchar(255)
1	301	Dr. Smith	smith@example.com	111-222-3333	Mathematics
2	302	Prof. Johnson	johnson@example.com	444-555-6666	History
3	303	Prof. Brown	brown@example.com	777-888-9999	Computer Science
4	304	Dr. Parker	parker@example.com	888-777-6666	Chemistry
5	305	Prof. Adams	adams@example.com	999-888-7777	Physics
6	306	Dr. Wilson	wilson@example.com	555-444-3333	Economics
7	307	Prof. Davis	davis@example.com	333-222-1111	Biology
8	308	Dr. Turner	turner@example.com	222-333-4444	Literature

Table 5: Enrollment Table

```
import mysql.connector
conn = mysql.connector.connect(host='localhost', password='123456789',
user='root', database = "db")
mycursor=conn.cursor()
Insert_5 = '''
INSERT INTO Enrollment (EnrollmentID, StudentID, CourseID, EnrollmentDate)
VALUES (1, 1, 101, "2023-09-01"),
      (2, 1, 102, "2023-09-10"),
      (3, 2, 101, "2023-09-02"),
      (4, 3, 103, "2023-09-03"),
      (5, 4, 104, "2023-09-04"),
      (6, 5, 105, "2023-09-05"),
      (7, 6, 106, "2023-09-06"),
      (8, 7, 107, "2023-09-07"),
      (9, 8, 108, "2023-09-08");
'''

mycursor.execute(Insert_5)
conn.commit()
conn.close()
```



The screenshot shows a database management interface with a table named 'Enrollment'. The table has five columns: EnrollmentID (int), StudentID (int), CourseID (int), and EnrollmentDate (date). The table contains 9 rows of data. The interface also shows a search bar, a toolbar with various icons, and a status bar indicating 'Cost: 17ms' and 'Total 9'.

EnrollmentID	StudentID	CourseID	EnrollmentDate
1	1	101	2023-09-01
2	1	102	2023-09-10
3	2	101	2023-09-02
4	3	103	2023-09-03
5	4	104	2023-09-04
6	5	105	2023-09-05
7	6	106	2023-09-06
8	7	107	2023-09-07
9	8	108	2023-09-08

Table 6: Teaching Table

```
import mysql.connector
conn = mysql.connector.connect(host='localhost', password='123456789',
user='root', database = "db")
mycursor=conn.cursor()
Insert_6 = '''
INSERT INTO Teaching (TeachingID, FacultyID, CourseID)
VALUES (1, 301, 101),
      (2, 302, 102),
      (3, 303, 103),
      (4, 304, 104),
      (5, 305, 105),
      (6, 306, 106),
      (7, 307, 107),
      (8, 308, 108);
'''

mycursor.execute(Insert_6)
conn.commit()
conn.close()
```

SELECT * FROM teaching LIMIT 100

	TeachingID int	FacultyID int	CourseID int
1	1	301	101
2	2	302	102
3	3	303	103
4	4	304	104
5	5	305	105
6	6	306	106
7	7	307	107
8	8	308	108

Cost: 11ms < 1 > Total 8

Table 7: Exam Registration Table

```
import mysql.connector
conn = mysql.connector.connect(host='localhost', password='123456789',
user='root', database = "db")
mycursor=conn.cursor()
Insert_7 = ''
INSERT INTO ExamRegistration (RegistrationID, StudentID, ExamID,
RegistrationDate)
VALUES (101, 1, 201, "2023-10-15"),
(102, 2, 201, "2023-10-16"),
(103, 3, 202, "2023-10-17"),
(104, 4, 203, "2023-10-18"),
(105, 5, 204, "2023-10-19"),
(106, 6, 205, "2023-10-20"),
(107, 7, 201, "2023-10-21"),
(108, 8, 202, "2023-10-22");
...
mycursor.execute(Insert_7)
conn.commit()
conn.close()
```

SELECT * FROM examregistration LIMIT 100

	RegistrationID int	StudentID int	ExamID int	RegistrationDate date
1	101	1	201	2023-10-15
2	102	2	201	2023-10-16
3	103	3	202	2023-10-17
4	104	4	203	2023-10-18
5	105	5	204	2023-10-19
6	106	6	205	2023-10-20
7	107	7	201	2023-10-21
8	108	8	202	2023-10-22

Cost: 16ms < 1 > Total 8

Table 8: Exam Results Table

```
import mysql.connector
conn = mysql.connector.connect(host='localhost', password='123456789',
user='root', database = "db")
mycursor=conn.cursor()
Insert_8 = """
INSERT INTO ExamResults (ResultID, StudentID, ExamID, score)
VALUES (501, 1, 201, 92.5),
      (502, 2, 201, 88.0),
      (503, 3, 202, 95.5),
      (504, 4, 203, 89.0),
      (505, 5, 204, 94.5),
      (506, 6, 205, 91.0),
      (507, 7, 201, 87.5);
"""
mycursor.execute(Insert_8)
conn.commit()
conn.close()
```

SELECT * FROM examresults LIMIT 100

Search results

Free 1

Cost: 14ms < 1 > Total 7

	ResultID int	StudentID int	ExamID int	Score decimal(5,2)
1	501	1	201	92.50
2	502	2	201	88.00
3	503	3	202	95.50
4	504	4	203	89.00
5	505	5	204	94.50
6	506	6	205	91.00
7	507	7	201	87.50