**Using Python MySQL Connectivity on Shop Table**

**QUESTION**:

1. Display shop table.
2. Insert a row(itemid, itemname, brand, quantity)
3. Apply fetchone() to display a row.
4. Apply fetchmany() to display multiple rows and display the rowcount.
5. Exit the application.

**CODE**:

import mysql.connector as sql

db = sql.connect(host="localhost", user="root", password="00b", database="amrith")

cursor = db.cursor()

db.autocommit = True

print('1.Display shop table\n2.Insert a row (itemid, itemname, brand, quantity)\n3.Apply fetchone() to display a row\n4.Apply fetchmany() to display mutiple rows and display the rowcount\n5.Exit the application')

choice = int(input('Enter your choice: '))

if choice == 1:

cursor.execute('SELECT \* FROM shop')

for i in cursor.fetchall():

print(i)

elif choice == 2:

itemid = int(input('Enter itemid: '))

itemname = input('Enter itemname: ')

brand = input('Enter brand: ')

quantity = int(input('Enter quantity: '))

cursor.execute(f"INSERT INTO shop VALUES({itemid}, '{itemname}', '{brand}', {quantity})")

print('Row inserted successfully')

elif choice == 3:

itemid = int(input('Enter itemid: '))

cursor.execute(f'SELECT \* FROM shop where itemid = {itemid}')

print(cursor.fetchone())

elif choice == 4:

cursor.execute('SELECT \* FROM shop')

count = int(input('Enter the number of rows to be displayed: '))

print(cursor.fetchmany(count), cursor.rowcount)

elif choice == 5:

exit()

**OUTPUT**:

1.Display shop table

2.Insert a row (itemid, itemname, brand, quantity)

3.Apply fetchone() to display a row

4.Apply fetchmany() to display mutiple rows and display the rowcount

5.Exit the application

Enter your choice: 1

(1, 'Milk', 'Amul', 100)

(2, 'Butter', 'Amul', 150)

(3, 'Sugar', 'Al Khaleej', 120)

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Enter your choice: 2

Enter itemid: 4

Enter itemname: Book

Enter brand: GEMS

Enter quantity: 50

Row inserted successfully

1.Display shop table

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4.Apply fetchmany() to display mutiple rows and display the rowcount

5.Exit the application

Enter your choice: 3

Enter itemid: 3

(3, 'Sugar', 'Al Khaleej', 120)

1.Display shop table

2.Insert a row (itemid, itemname, brand, quantity)

3.Apply fetchone() to display a row

4.Apply fetchmany() to display mutiple rows and display the rowcount

5.Exit the application

Enter your choice: 4

Enter the number of rows to be displayed: 2

[(1, 'Milk', 'Amul', 100), (2, 'Butter', 'Amul', 150)] 4

1.Display shop table

2.Insert a row (itemid, itemname, brand, quantity)

3.Apply fetchone() to display a row

4.Apply fetchmany() to display mutiple rows and display the rowcount

5.Exit the application

Enter your choice: 5