

Database , Table Ceration by using Python

```
import mysql.connector as cnt
import os
mydb=cnt.connect(
    host="localhost",
    user="root",
    password="tiger",
    database="kvjgn"
)
mycursor=mydb.cursor()
#if mydb.is_connected():
# print("Connection Successfully Established")
# print("Database= ",mydb)
#else:
# print("No Connection Found")
# mycursor.execute("create database kvjgn")
#mycursor.execute("show databases")
#for i in mycursor:
# print(i)
#mycursor.execute("use kvjgn")

#mycursor.execute(" create table stud ( sid int(2), name char(20))")
#mycursor.execute("CREATE TABLE teach (id int(2) PRIMARY KEY, name
VARCHAR(20), address VARCHAR(20))")

#mycursor.execute("show tables")
#for i in mycursor:
# print(i)
#mycursor.execute("desc stud")
#for i in mycursor:
# print(i)
```

```

#sql = "INSERT INTO stud VALUES (102, 'Mohan')"
#mycursor.execute(sql)
#mydb.commit()
#print(mycursor.rowcount, "record inserted.")
def display():
    print("Table Name: stud")
    print("\nSID\tName")
    print("-----")
    mycursor.execute("select * from stud")
    for i in mycursor:
        print(i)
    print(mycursor.rowcount, " Rows Selected")

def run_query():
    print("\nStructure of Table: stud")
    print("-----")
    mycursor.execute("desc stud")
    for i in mycursor:
        print(i)
    sql=input("Kindly type your own query :")
    print(sql)
    a=input()
    mycursor.execute(sql)
    for i in mycursor:
        print(i)
    mydb.commit()
    print(mycursor.rowcount, " Records Affected")

def insert():
    print("Table Name: stud")
    sn=int(input("Enter Student ID(numeric): "))
    nm=input("Enter Student Name(char): ")

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sql = "INSERT INTO stud VALUES(%d,'%s')"%(sn,nm)
mycursor.execute(sql)
mydb.commit()
print(mycursor.rowcount, "record inserted.")
choice=input("One More Record? ")
if choice.upper()=="Y":
    insert()
def delete():
    print("Table Name: stud")
    id=int(input("Enter Student ID (Numeric) to delete: "))
    sql="delete from stud where sid=%d"%(id)
    mycursor.execute(sql)
    if mycursor.rowcount==0:
        print("Record Not found!")
    else:
        print(mycursor.rowcount, end="")
        choice=input(" Records found. Want to Delete?(Y/N): ")
        if choice.upper()=="Y":
            mydb.commit()
            print(mycursor.rowcount," Record(s) Deleted")
        else:
            mydb.rollback()
            print(mycursor.rowcount," Aborted by user, No Record(s) Deleted")

def update():
    print("Table Name: stud")
    id=int(input("Enter ID (numeric)to Update: "))
    nm=input("Enter new name (char)of student to update: ")
    sql="update stud set name='%s' where sid=%d"%(nm,id)
    mycursor.execute(sql)
    if mycursor.rowcount==0:
        print("Record Not found!")
    else:

```

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print(mycursor.rowcount, end="")
choice=input(" Records found. Want to update?(Y/N): ")
if choice.upper()=="Y":
    mydb.commit()
    print(mycursor.rowcount, " Record(s) Update Successfully")
else:
    mydb.rollback()
    print(mycursor.rowcount, " Abortedby user, No Record(s) Updated")

```

```
def menu():
```

```
    try:
```

```
        print("#####")
```

```
        print("\t\tStudent Record Keeping Project")
```

```
        print("Table Name: stud")
```

```
        str="""
```

```
1. for Display Student Records.
```

```
2. for Insert new Record.
```

```
3. for Update Existing Record.
```

```
4. for Delete Existing Record.
```

```
5. for Run Special Select Query.
```

```
6. for exit."""
```

```
print(str)
```

```
choices=int(input("Enter Your Choice: "))
```

```
if choices==1:
```

```
    display()
```

```
    a=input("Press any key to continue...")
```

```
    os.system('cls')
```

```
    menu()
```

```
elif choices==2:
```

```
    insert()
```

```
    a=input("Press any key to continue...")
```

```
    os.system('cls')
```

```
    menu()
```

```
elif choices==3:
    print("Before Update")
    display()
    update()
    print("After Update")
    display()
    a=input("Press any key to continue...")
    os.system('cls')
    menu()
elif choices==4:
    delete()
    a=input("Press any key to continue...")
    os.system('cls')
    menu()
elif choices==5:
    run_query()
    a=input("Press any key to continue...")
    os.system('cls')
    menu()
elif choices==6:
    exit()
else:
    print("Enter Correct Option:")
    a=input("Press any key to continue...")
    os.system('cls')
    menu()
except:
    print("something went wrong: Crush Ending")
    exit()
menu()
```