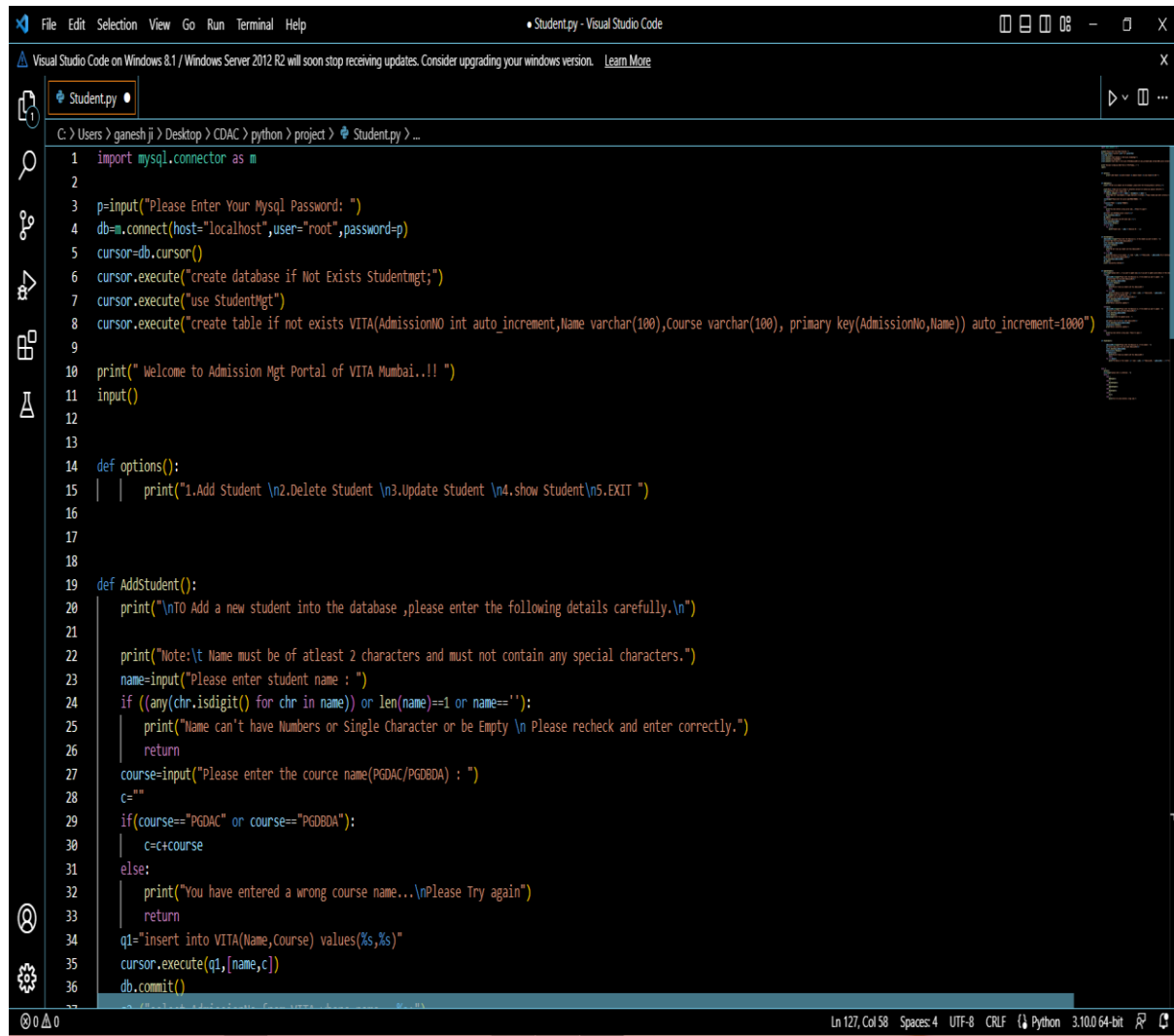


# Python Project Code with Mysql Connectivity

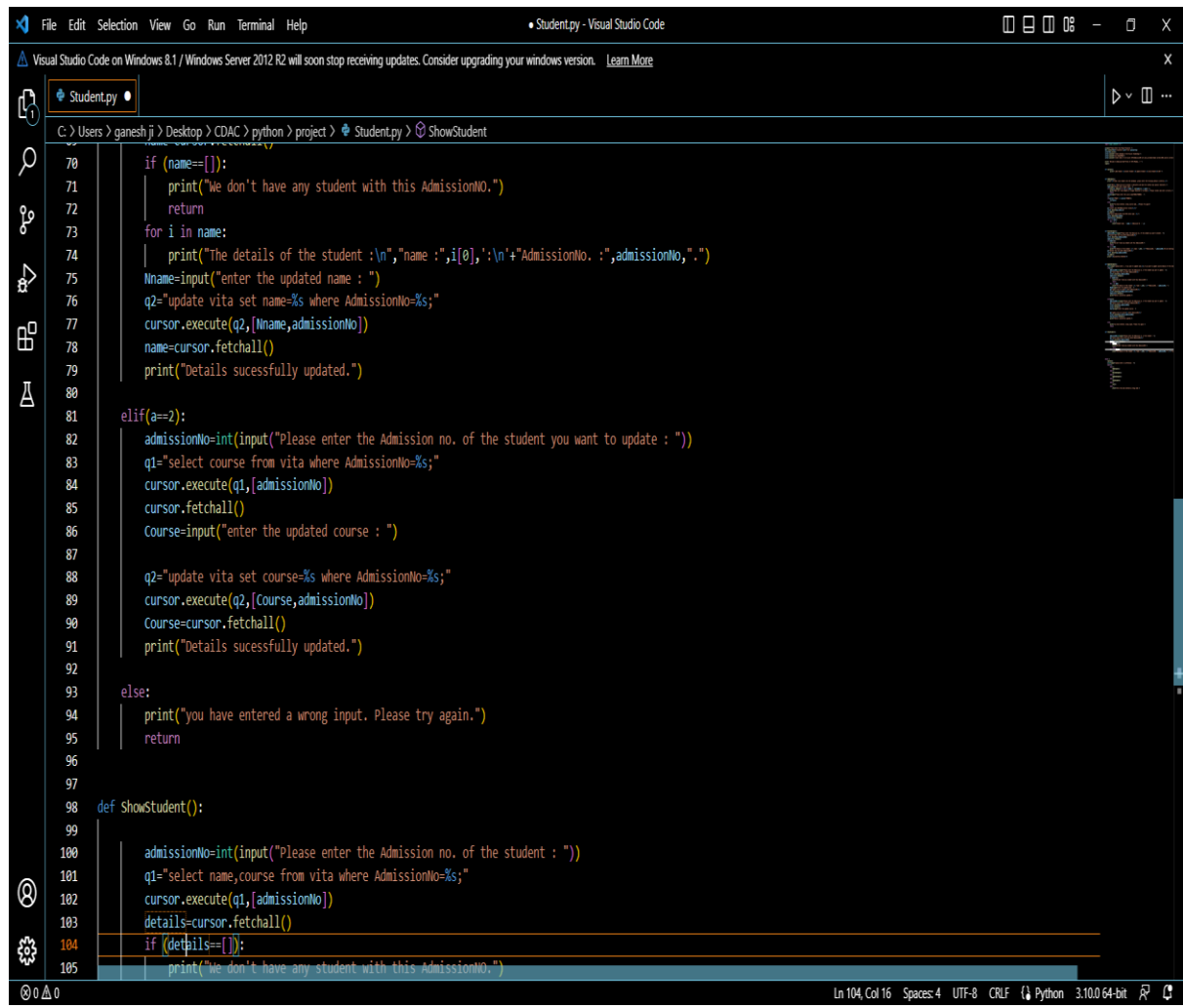


```
1 import mysql.connector as m
2
3 p=input("Please Enter Your Mysql Password: ")
4 db=m.connect(host="localhost",user="root",password=p)
5 cursor=db.cursor()
6 cursor.execute("create database if Not Exists Studentmgmt;")
7 cursor.execute("use Studentmgmt")
8 cursor.execute("create table if not exists VITA(AdmissionNO int auto_increment,Name varchar(100),Course varchar(100), primary key(AdmissionNO,Name)) auto_increment=1000")
9
10 print(" Welcome to Admission Mgt Portal of VITA Mumbai...!! ")
11 input()
12
13
14 def options():
15 |   print("1.Add Student \n2.Delete Student \n3.Update Student \n4.show Student\n5.EXIT ")
16
17
18
19 def AddStudent():
20 |   print("\nTO Add a new student into the database ,please enter the following details carefully.\n")
21
22 |   print("Note:\t Name must be of atleast 2 characters and must not contain any special characters.")
23 |   name=input("Please enter student name : ")
24 |   if ((any(chr.isdigit() for chr in name)) or len(name)==1 or name==''):
25 |       |   print("Name can't have Numbers or Single Character or be Empty \n Please recheck and enter correctly.")
26 |       |   return
27 |   course=input("Please enter the course name(PGDAC/PGDBDA) : ")
28 |   c=""
29 |   if(course=="PGDAC" or course=="PGDBDA"):
30 |       |   c=c+course
31 |   else:
32 |       |   print("You have entered a wrong course name...\nPlease Try again")
33 |       |   return
34 |   q1="insert into VITA(Name,Course) values(%s,%s)"
35 |   cursor.execute(q1,[name,c])
36 |   db.commit()
```

Ln 127, Col 58 Spaces: 4 UTF-8 CRLF Python 3.10.0 64-bit

```
File Edit Selection View Go Run Terminal Help • Student.py - Visual Studio Code
Visual Studio Code on Windows 8.1 / Windows Server 2012 R2 will soon stop receiving updates. Consider upgrading your windows version. Learn More
Student.py
C:\Users\ganeshji\Desktop\CDAC\python\project> Student.py UpdateStudent
36 db.commit()
37 q2=("select AdmissionNo from VITA where name = %s;")
38 cursor.execute(q2,[name])
39 result=cursor.fetchall()
40 for i in result:
41     for j in i:
42         print("Student name : ",name,"\n Admission No : ",j)
43
44
45
46 def DeleteStudent():
47     admissionNo=int(input("Please enter the Admission no. of the student you want to delete : "))
48     q1="select Name from vita where AdmissionNo=%s;"
49     cursor.execute(q1,[admissionNo])
50     name=cursor.fetchall()
51     if (name==[]):
52         print("We don't have any student with this AdmissionNo.")
53         return
54     for i in name:
55         print("The details of the student :\n","name :",i[0],':\n'+AdmissionNo. :",admissionNo,"We are deleting his records.")
56     q2="delete from vita where AdmissionNo=%s;"
57     cursor.execute(q2,[admissionNo])
58     db.commit()
59     print("\nSuccessfully Deleted\n")
60
61
62
63 def UpdateStudent():
64     a=int(input("please enter 1. if you want to update name.\n2.if you want to update course details of the student.\n"))
65     if(a==1):
66         admissionNo=int(input("Please enter the Admission no. of the student you want to update : "))
67         q1="select Name from vita where AdmissionNo=%s;"
68         cursor.execute(q1,[admissionNo])
69         name=cursor.fetchall()
70         if (name==[]):
71             print("We don't have any student with this AdmissionNo.")
```

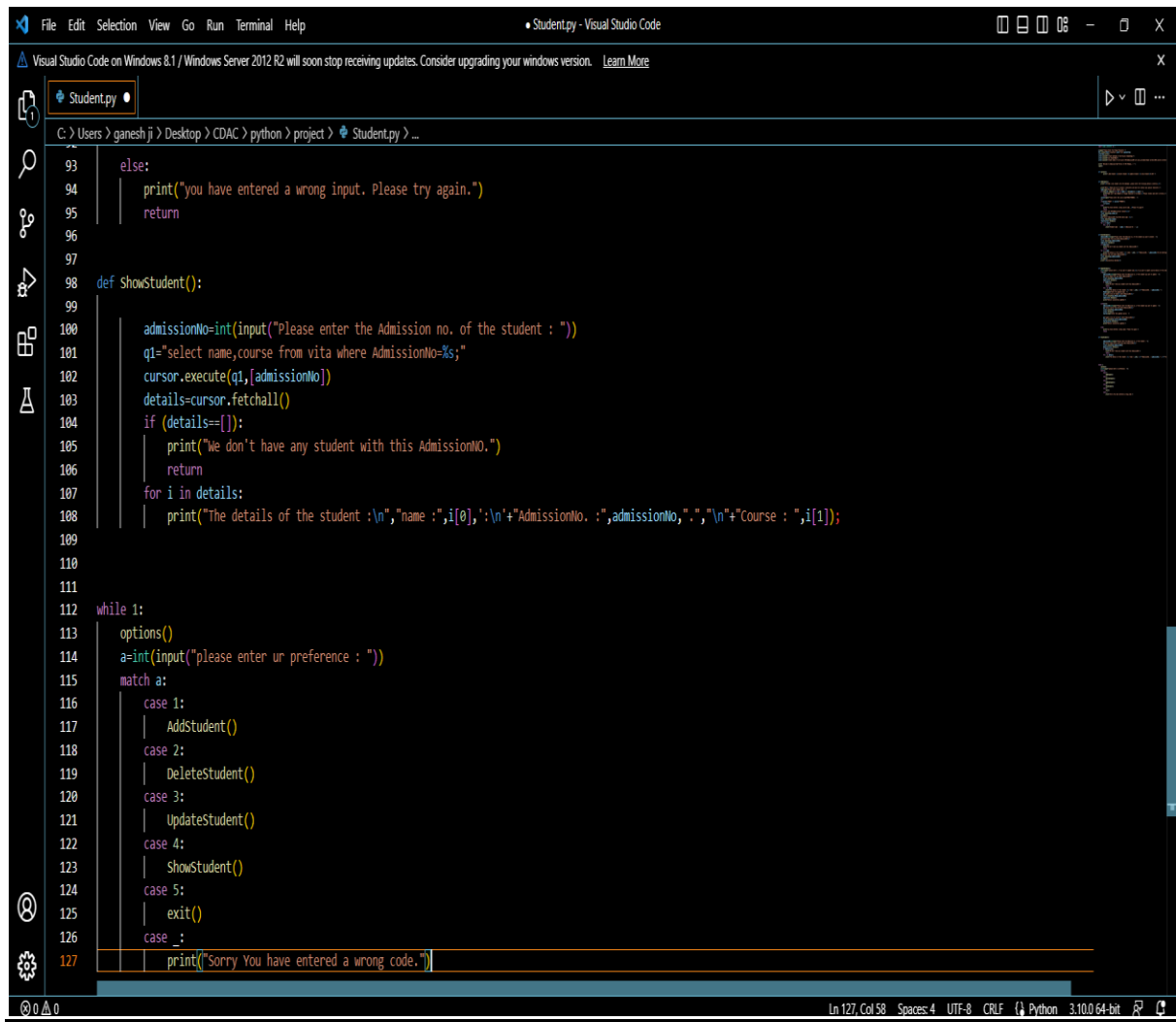
Ln 70, Col 16 Spaces: 4 UTF-8 CRLF Python 3.10.0 64-bit



```
File Edit Selection View Go Run Terminal Help
Student.py - Visual Studio Code
Visual Studio Code on Windows 8.1 / Windows Server 2012 R2 will soon stop receiving updates. Consider upgrading your windows version. Learn More
Student.py
C:\Users\ganeshj\> Desktop > CDAC > python > project > Student.py > ShowStudent

70     if (name==[]):
71         print("We don't have any student with this AdmissionNo.")
72         return
73     for i in name:
74         print("The details of the student :\n",name :",i[0],'\n'+AdmissionNo. :',"admissionNo. :")
75     Nname=input("enter the updated name : ")
76     q2="update vita set name=%s where AdmissionNo=%s;"
77     cursor.execute(q2,[Nname,admissionNo])
78     name=cursor.fetchall()
79     print("Details successfully updated.")
80
81     elif(a==2):
82         admissionNo=int(input("Please enter the Admission no. of the student you want to update : "))
83         q1="select course from vita where AdmissionNo=%s;"
84         cursor.execute(q1,[admissionNo])
85         cursor.fetchall()
86         Course=input("enter the updated course : ")
87
88         q2="update vita set course=%s where AdmissionNo=%s;"
89         cursor.execute(q2,[Course,admissionNo])
90         Course=cursor.fetchall()
91         print("Details successfully updated.")
92
93     else:
94         print("you have entered a wrong input. Please try again.")
95         return
96
97
98     def ShowStudent():
99
100         admissionNo=int(input("Please enter the Admission no. of the student : "))
101         q1="select name,course from vita where AdmissionNo=%s;"
102         cursor.execute(q1,[admissionNo])
103         details=cursor.fetchall()
104         if (details==[]):
105             print("We don't have any student with this AdmissionNo.")
```

Ln 104, Col 16 Spaces: 4 UTF-8 CRLF Python 3.10.0 64-bit



```
File Edit Selection View Go Run Terminal Help
Student.py - Visual Studio Code
Visual Studio Code on Windows 8.1 / Windows Server 2012 R2 will soon stop receiving updates. Consider upgrading your windows version. Learn More
Student.py
C:\Users\ganeshji\Desktop\CDAC\python\project> Student.py > ...
93     else:
94         print("you have entered a wrong input. Please try again.")
95         return
96
97
98 def ShowStudent():
99
100     admissionNo=int(input("Please enter the Admission no. of the student : "))
101     q1="select name,course from vita where AdmissionNo=%s;"
102     cursor.execute(q1,[admissionNo])
103     details=cursor.fetchall()
104     if (details==[]):
105         print("We don't have any student with this AdmissionNO.")
106         return
107     for i in details:
108         print("The details of the student :\n","name :",i[0],':\n'+AdmissionNo. :",admissionNo,".",'\n'+Course : ",i[1]);
109
110
111
112 while 1:
113     options()
114     a=int(input("please enter ur preference : "))
115     match a:
116         case 1:
117             AddStudent()
118         case 2:
119             DeleteStudent()
120         case 3:
121             UpdateStudent()
122         case 4:
123             ShowStudent()
124         case 5:
125             exit()
126         case _:
127             print("Sorry You have entered a wrong code.")
```

Ln 127, Col 58 Spaces:4 UTF-8 CRLF Python 3.10.0 64-bit