

How to make a python mysql project using idle

In this page we will make student fee management project

Install python from [www.python.org](http://www.python.org)

Then install mysql server from [www.wampserver.com](http://www.wampserver.com)

Open mysql console

And create database studentfee with command

Create database studentfee;

Install mysql connector for python with command

```
pip install mysql-connector-python
```

This command requires internet connection

Now open IDLE which is a python IDE (Integrated Development Environment)

Now save the below code in a file and run command (Run Module)

Code is as below

```
import mysql.connector;
```

```
def createtables():
```

```
    mydb = mysql.connector.connect(
```

```
        host="localhost",
```

```
        user="root",
```

```
        passwd="",
```

```
        database="studentfee"
```

```
    )
```

```
    mycursor = mydb.cursor()
```

```
    mycursor.execute("create table students(admno varchar(20),name varchar(20),fathername  
varchar(20),class varchar(20),admndate varchar(20));")
```

```
mycursor.execute("create table studentfee(admno varchar(20),name varchar(20),fee  
varchar(20),feedate varchar(20));")
```

```
print("Tables Created in Database")
```

```
def droptables():
```

```
    mydb = mysql.connector.connect(
```

```
        host="localhost",
```

```
        user="root",
```

```
        passwd="",
```

```
        database="studentfee"
```

```
    )
```

```
    mycursor = mydb.cursor()
```

```
    mycursor.execute("drop table students;")
```

```
    mycursor.execute("drop table studentfee;")
```

```
    print("Tables Deleted in Database")
```

```
def showallstudents():
```

```
    conn = mysql.connector.connect(
```

```
user='root',
```

```
password="",
```

```
host='127.0.0.1',
```

```
database='studentfee')
```

```
cur = conn.cursor()
```

```
cur.execute("select * from students")
```

```
myresult = cur.fetchall()
```

```
for x in myresult:
```

```
    print(x)
```

```
cur.close()
```

```
conn.close()
```

```
def showallfeerecords():
```

```
    conn = mysql.connector.connect(
```

```
        user='root',
```

```
password=",
```

```
host='127.0.0.1',
```

```
database='studentfee')
```

```
cur = conn.cursor()
```

```
cur.execute("select * from studentfee")
```

```
myresult = cur.fetchall()
```

```
for x in myresult:
```

```
    print(x)
```

```
cur.close()
```

```
conn.close()
```

```
def searchstudent():
```

```
    conn = mysql.connector.connect(
```

```
        user='root',
```

```
password="",
```

```
host='127.0.0.1',
```

```
database='studentfee')
```

```
admno=input("Enter admission number to search for")
```

```
cur = conn.cursor()
```

```
sql="SELECT * from students where admno='%s'";
```

```
cur.execute(sql,admno)
```

```
myresult = cur.fetchall()
```

```
for x in myresult:
```

```
    print(x)
```

```
cur.close()
```

```
conn.close()
```

```
def searchfeerecord():
```

```
conn = mysql.connector.connect(

    user='root',

    password="",

    host='127.0.0.1',

    database='studentfee')

admnno=input("Enter admission number to search for")

cur = conn.cursor()

sql="SELECT * from studentfee where admno='%s'";

cur.execute(sql,admnno)

myresult = cur.fetchall()

for x in myresult:

    print(x)

cur.close()

conn.close()
```

```
def addstudent():
```

```
    mydb = mysql.connector.connect( host="localhost",  
user="root",passwd="",database="studentfee")
```

```
    mycursor = mydb.cursor()
```

```
    admno=input("Enter Student Admission Number");
```

```
    name=input("Enter Student Name ");
```

```
    fathename=input("Enter Student Father Name ");
```

```
    clas=input("Enter Student Class");
```

```
    admndate=input("Enter Student Admission Date");
```

```
    sql = "INSERT INTO students(admno,name,fathename,class,admndate) VALUES (%s,%s,%s,%s,%s)"
```

```
    val = (admno,name,fathename,clas,admndate)
```

```
    mycursor.execute(sql,val)
```

```
    mydb.commit()
```

```
    print(mycursor.rowcount, "record inserted.")
```

```
def addfeerecord():
```

```
mydb = mysql.connector.connect( host="localhost",  
user="root",passwd="",database="studentfee")
```

```
mycursor = mydb.cursor()
```

```
admno=input("Enter Student Admission Number");
```

```
name=input("Enter Student Name ");
```

```
fee=input("Enter Fee ");
```

```
feedate=input("Enter Fee Date");
```

```
sql = "INSERT INTO studentfee(admno,name,fee,feedate) VALUES (%s,%s,%s,%s)"
```

```
val = (admno,name,fee,feedate)
```

```
mycursor.execute(sql,val)
```

```
mydb.commit()
```

```
print(mycursor.rowcount, "record inserted.")
```

```
def modifystudent():
```



```
admno=input("Enter Admission Number")
```

```
name=input("Enter Name")
```

```
fathername=input("Enter Father Name")
```

```
clas=input("Enter Class")
```

```
admndate=input("Enter Admission Date")
```

```
mydb = mysql.connector.connect(
```

```
host="localhost",
```

```
user="root",
```

```
passwd="",
```

```
database="studentfee"
```

```
)
```

```
mycursor = mydb.cursor()
```

```
sql = "update students set name=%s,fathername=%s,class=%s,admndate=%s where admno=%s"
```

```
val = (name,fathername,clas,admndate,admno)
```

```
mycursor.execute(sql,val)
```

```
mydb.commit()
```

```
print(mycursor.rowcount, "record updated.")
```

```
def deletestudent():
```

```
    admno=input("Enter Admission Number")
```

```
    mydb = mysql.connector.connect(
```

```
        host="localhost",
```

```
        user="root",
```

```
        passwd="",
```

```
        database="studentfee"
```

```
)
```

```
    mycursor = mydb.cursor()
```

```
    sql = "delete from students where admno=%s"
```

```
    val = (admno)
```

```
    mycursor.execute(sql,val)
```

```
    mydb.commit()
```

```
    print(mycursor.rowcount, "record deleted.")
def createtables():

    mydb = mysql.connector.connect(

        host="localhost",

        user="root",

        passwd="",

        database="studentfee"

    )

    mycursor = mydb.cursor()

    mycursor.execute("create table students(admno varchar(20),name varchar(20),fathername
varchar(20),class varchar(20),admndate varchar(20));")

    mycursor.execute("create table studentfee(admno varchar(20),name varchar(20),fee
varchar(20),feedate varchar(20));")

    print("Tables Created in Database")
def modifystudent():

    admno=input("Enter Admission Number")

    name=input("Enter Name")

    fathername=input("Enter Father Name")
```

```
clas=input("Enter Class")
```

```
admndate=input("Enter Admission Date")
```

```
mydb = mysql.connector.connect(
```

```
host="localhost",
```

```
user="root",
```

```
passwd="",
```

```
database="studentfee"
```

```
)
```

```
mycursor = mydb.cursor()
```

```
sql = "update students set name=%s,fathername=%s,class=%s,admndate=%s where admno=%s"
```

```
val = (name,fathername,clas,admndate,admno)
```

```
mycursor.execute(sql,val)
```

```
mydb.commit()
```

```
print(mycursor.rowcount, "record updated.")
```

```
def deletestudent():
```

```
admno=input("Enter Admission Number")
```

```
mydb = mysql.connector.connect(
```

```
host="localhost",
```

```
user="root",
```

```
passwd="",
```

```
database="studentfee"
```

```
)
```

```
mycursor = mydb.cursor()
```

```
sql = "delete from students where admno=%s"
```

```
val = (admno)
```

```
mycursor.execute(sql,val)
```

```
mydb.commit()
```

```
print(mycursor.rowcount, "record deleted.")
```

```
def droptables():
```

```
mydb = mysql.connector.connect(
```

```
host="localhost",
```

```
user="root",
```

```
passwd="",
```

```
database="studentfee"
```

```
)
```

```
mycursor = mydb.cursor()
```

```
mycursor.execute("drop table students;")
```

```
mycursor.execute("drop table studentfee;")
```

```
print("Tables Deleted in Database")
```

```
def droptables():
```

```
    mydb = mysql.connector.connect(
```

```
        host="localhost",
```

```
        user="root",
```

```
        passwd="",
```

```
        database="studentfee"
```

```
    )
```

```
mycursor = mydb.cursor()
```

```
mycursor.execute("drop table students;")
```

```
mycursor.execute("drop table studentfee;")
```

```
print("Tables Deleted in Database")
```

```
def showallstudents():
```

```
    conn = mysql.connector.connect(
```

```
        user='root',
```

```
        password='',
```

```
        host='127.0.0.1',
```

```
        database='studentfee')
```

```
    cur = conn.cursor()
```

```
    cur.execute("select * from students")
```

```
    myresult = cur.fetchall()
```

```
    for x in myresult:
```

```
        print(x)
```

```
cur.close()
```

```
conn.close()
```

```
def showallfeerecords():
```

```
    conn = mysql.connector.connect(
```

```
        user='root',
```

```
        password="",
```

```
        host='127.0.0.1',
```

```
        database='studentfee')
```

```
    cur = conn.cursor()
```

```
    cur.execute("select * from studentfee")
```

```
    myresult = cur.fetchall()
```

```
    for x in myresult:
```

```
        print(x)
```



```
cur.close()
```

```
conn.close()
```

```
def showallfeerecords():
```

```
    conn = mysql.connector.connect(
```

```
        user='root',
```

```
        password="",
```

```
        host='127.0.0.1',
```

```
        database='studentfee')
```

```
    cur = conn.cursor()
```

```
    cur.execute("select * from studentfee")
```

```
    myresult = cur.fetchall()
```

```
    for x in myresult:
```

```
        print(x)
```

```
cur.close()
```

```
conn.close()
```

```
def deletestudentfee():
```

```
    admno=input("Enter Admission Number")
```

```
    mydb = mysql.connector.connect(
```

```
        host="localhost",
```

```
        user="root",
```

```
        passwd="",
```

```
        database="studentfee"
```

```
    )
```

```
    mycursor = mydb.cursor()
```

```
    sql = "delete from studentfee where admno=%s"
```

```
    val = (admno)
```

```
    mycursor.execute(sql,val)
```

```
mydb.commit()
```

```
print(mycursor.rowcount, "record deleted.")
```

```
def deletestudentfee():
```

```
    admno=input("Enter Admission Number")
```

```
    mydb = mysql.connector.connect(
```

```
        host="localhost",
```

```
        user="root",
```

```
        passwd="",
```

```
        database="studentfee"
```

```
    )
```

```
    mycursor = mydb.cursor()
```

```
    sql = "delete from studentfee where admno=%s"
```

```
    val = (admno)
```

```
    mycursor.execute(sql,val)
```

```
mydb.commit()
```

```
print(mycursor.rowcount, "record deleted.")
```

```
def deletestudentfee():
```

```
    admno=input("Enter Admission Number")
```

```
    mydb = mysql.connector.connect(
```

```
        host="localhost",
```

```
        user="root",
```

```
        passwd="",
```

```
        database="studentfee"
```

```
    )
```

```
    mycursor = mydb.cursor()
```

```
    sql = "delete from studentfee where admno=%s"
```

```
    val = (admno)
```

```
    mycursor.execute(sql,val)
```

```
    mydb.commit()
```

```
print(mycursor.rowcount, "record deleted.")
```

```
ch=1;
```

```
while ch!=0:
```

```
    print("Welcome to Student Fee Management System")
```

```
    print("1. Create Tables")
```

```
    print("2. Add Student Record")
```

```
    print("3. Modify A Student Record")
```

```
    print("4. Show All Student Records")
```

```
    print("5. Search Student")
```

```
    print("6. Add Fee Record")
```

```
    print("7. Show All Fee Records")
```

```
    print("8. Delete Student Record")
```

```
    print("9. Delete Student Fee Record")
```

```
    print("10. Search for a Fee Record")
```

```
    print("11. Drop Tables")
```

```
    print("0. Exit");
```

```
ch=int(input("Enter your choice 1,2,3,4,5,6,7,8,9,10"))
```

```
if(ch==1):
```

```
    createtables();
```

```
if(ch==2):
```

```
    addstudent();
```

```
if(ch==3):
```

```
    modifystudent();
```

```
if(ch==4):
```

```
    showallstudents();
```

```
if(ch==5):
```

```
    searchstudent();
```

```
if(ch==6):
```

```
    addfeerecord();
```

```
if(ch==7):
```

```
    showallfeerecords();
```

```
if(ch==8):
```

```
        deletestudent();  
if(ch==9):  
  
        deletestudentfee();  
if(ch==10):
```

```
        searchfeerecord();  
if(ch==11):
```

```
        droptables();  
if ch==0:  
    break;
```

Run Module and the project is done.