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')

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

cur = conn.cursor()

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

cur.execute(sql,admnno)

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 ");

fathername=input("Enter Student Father Name ");

clas=input("Enter Student Class");

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

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

val = (admno,name,fathername,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():

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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",

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passwd="",

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)

mycursor = mydb.cursor()

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mycursor.execute("drop table studentfee;")

print("Tables Deleted in Database")

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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.