

How to make a Python MySQL Project using Pycharm Edu

How to install MySQL and create a database

Install MySQL from www.wampserver.com

Open MySQL Console

And type command

Create database studentfee;

Install Pycharm Edu from [Learn Python with PyCharm for Education \(jetbrains.com\)](https://www.jetbrains.com/pycharm/education/)

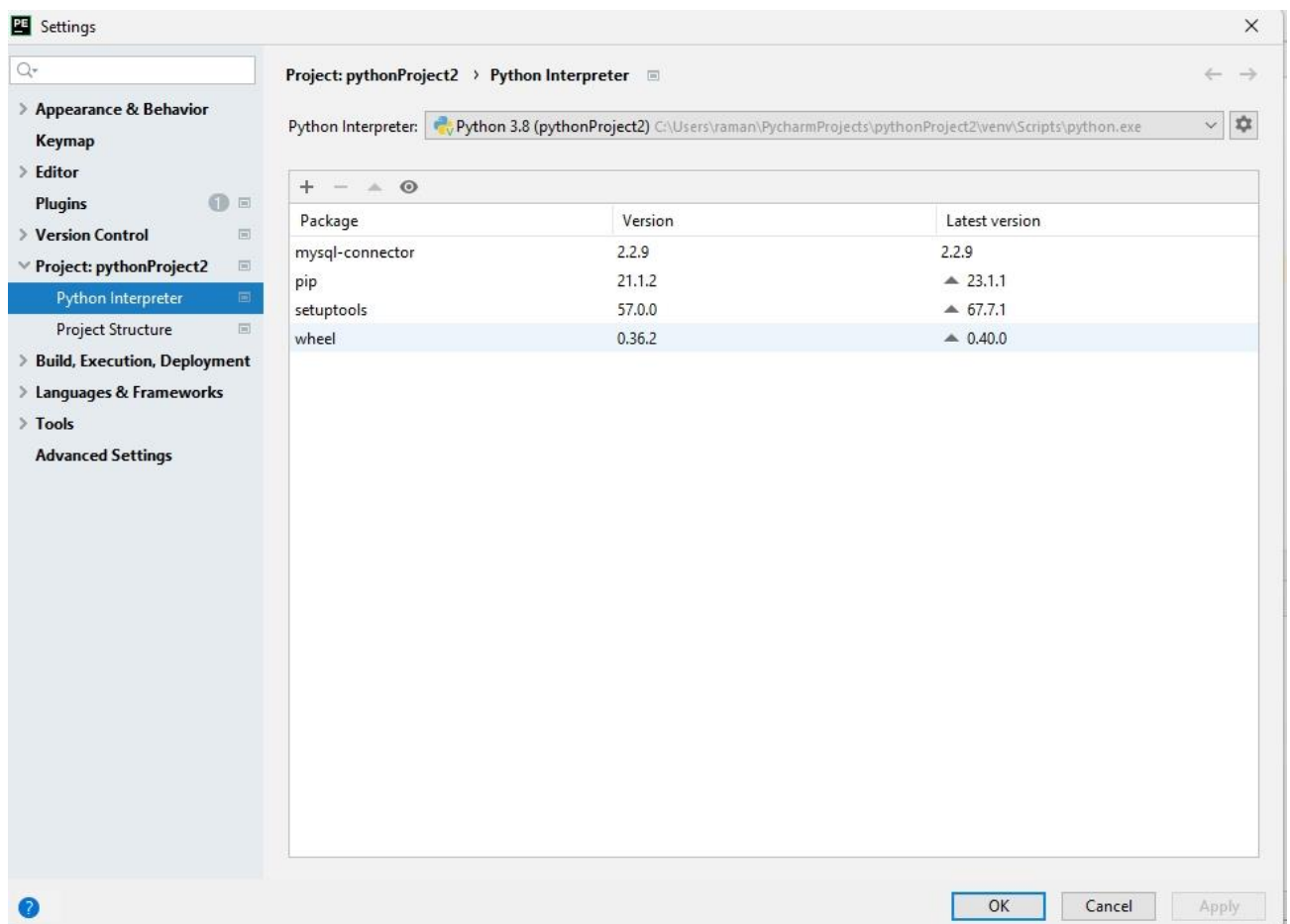
Start pycharm edu and open a new project

Go to File -> Settings

Then Go to Python: Project 2

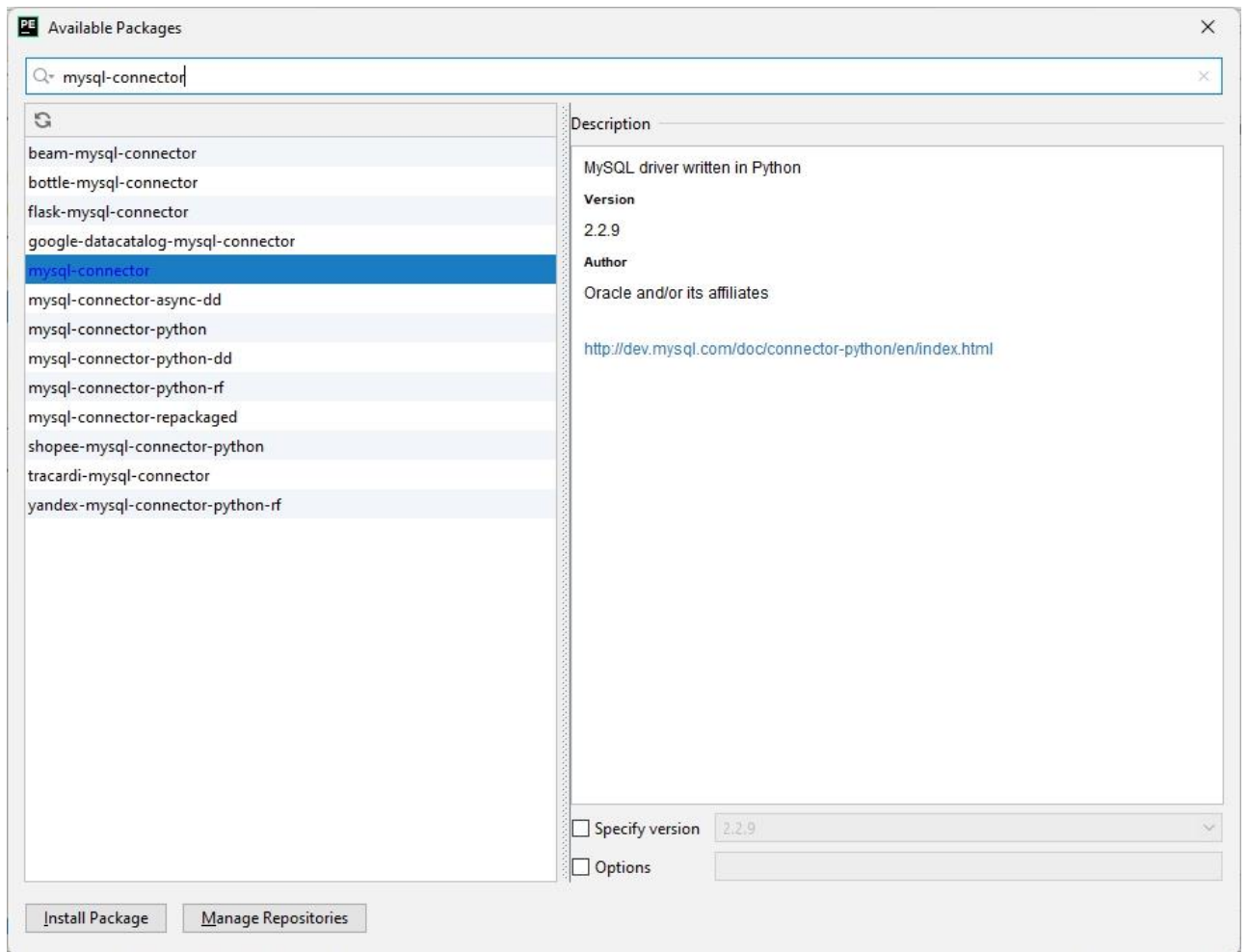
Then Go to Python Interpreter

Click on + button



After Clicking on + Button

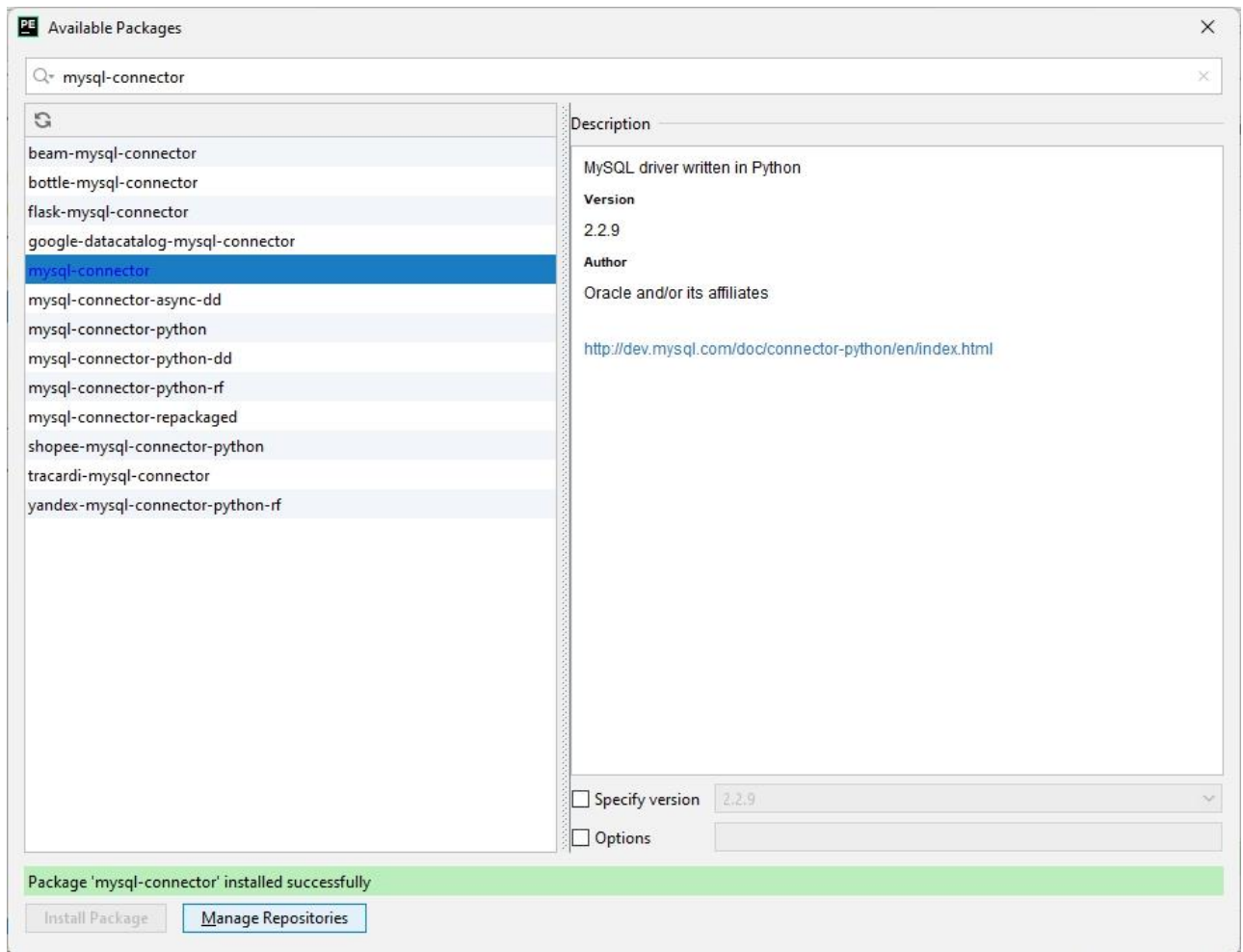
Following Screen will appear



Click on Install Package

This Command requires Internet Connection

Following screen will appear now



Now go to main.py and paste the following code

```
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 ");

    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")

    fathename=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,fathename=%s,class=%s,admndate=%s
where admno=%s"

    val = (name,fathename,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")

```

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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;

```

Right Click on Source Code window and click on Run main

Following output will appear

Welcome to Student Fee Management System

1. Create Tables
 2. Add Student Record
 3. Modify A Student Record
 4. Show All Student Records
 5. Search Student
 6. Add Fee Record
 7. Show All Fee Records
 8. Delete Student Record
 9. Delete Student Fee Record
-

0. Exit

Enter your choice 1,2,3,4,5,6,7,8,9,10

Tables Created in Database

Welcome to Student Fee Management System

1. Create Tables
 2. Add Student Record
 3. Modify A Student Record
 4. Show All Student Records
 5. Search Student
 6. Add Fee Record
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