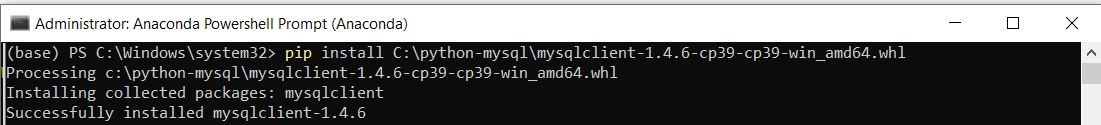
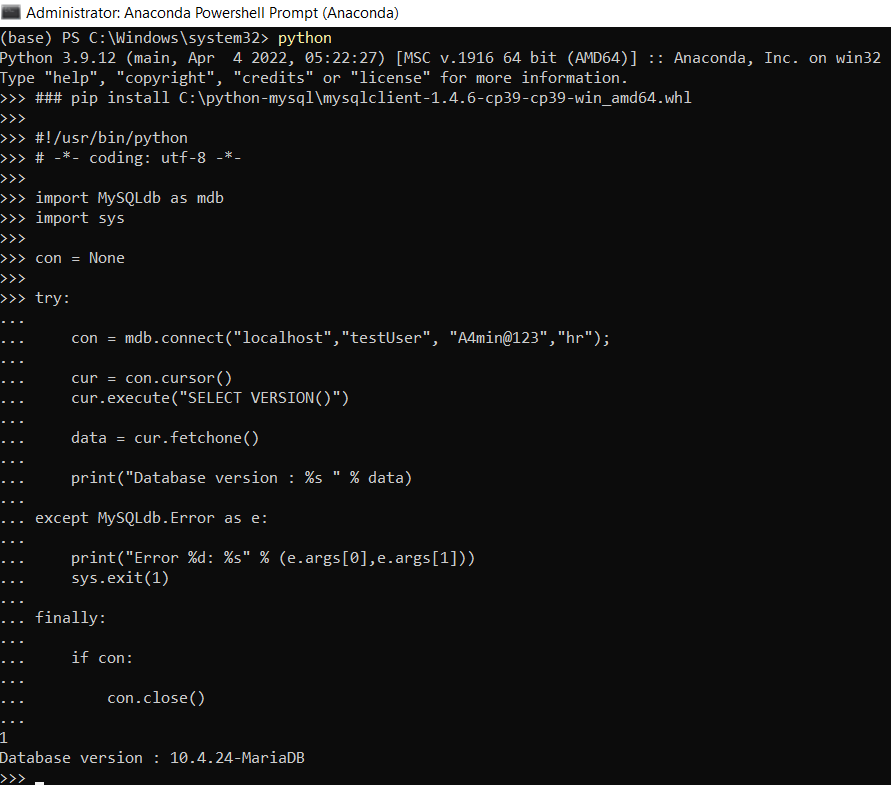
## **[mysqlclient](https://www.mysql.com/products/connector/" \t "_blank)**

The **[mysqlclient](https://www.mysql.com/products/connector/" \t "_blank)** driver is an interface to the MySQL database server that provides the Python database server API. It is written in C.

On Windows, you can install mysqlclient using a binary wheel file. Download the mysqlclient file that’s compatible with your platform from <https://www.lfd.uci.edu/~gohlke/pythonlibs/#mysqlclient>, Christoph Gohlke’s unofficial collection. You can then use the downloaded wheel file with pip to install mysqlclient like this:



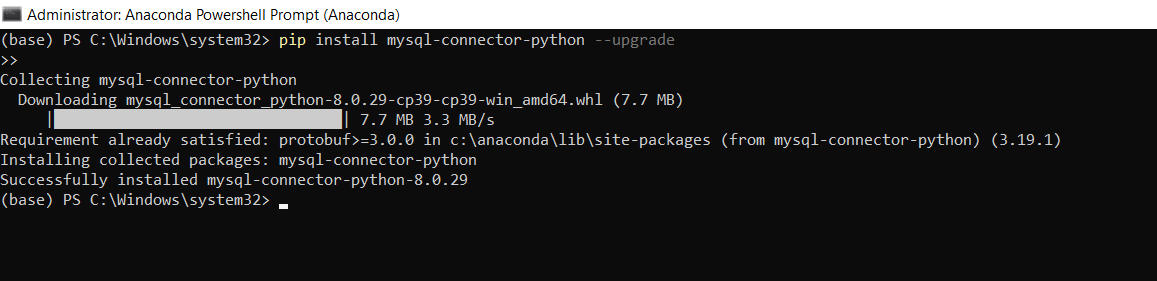
You can check the version of MySQL database using Python as follows:



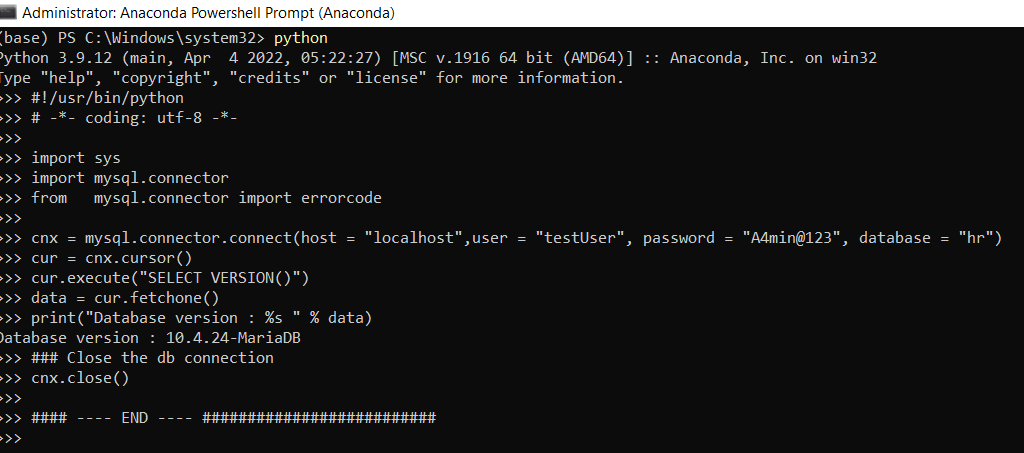
## **mysql-connector-python**

This is the official connection driver supported by Oracle. It is written in Pure Python.

Install it via pip to start using it.



You can check the version of MySQL database using Python as follows:

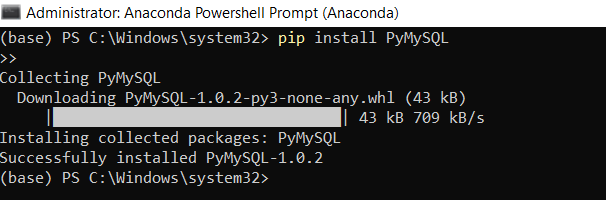


## **PyMySQL**

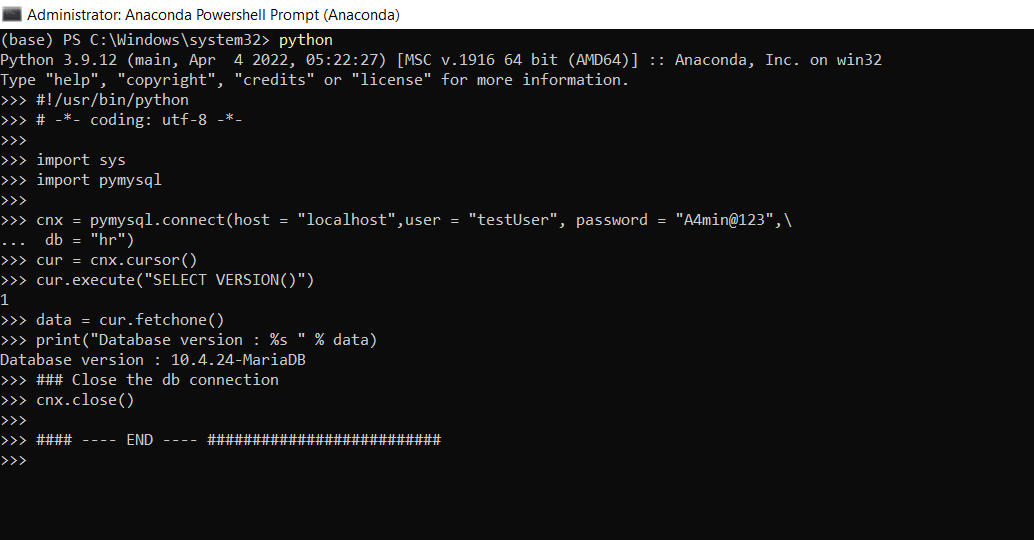
The PyMySQL connection driver is a replacement for MySQLdb. To use it, you need to be running Python 3.7 or newer and your MySQL server should be version 5.7 or newer.

Install PyMySQL, run the following command:

pip install PyMySQL



You can check the version of MySQL database using Python as follows:



## **aiomysql**

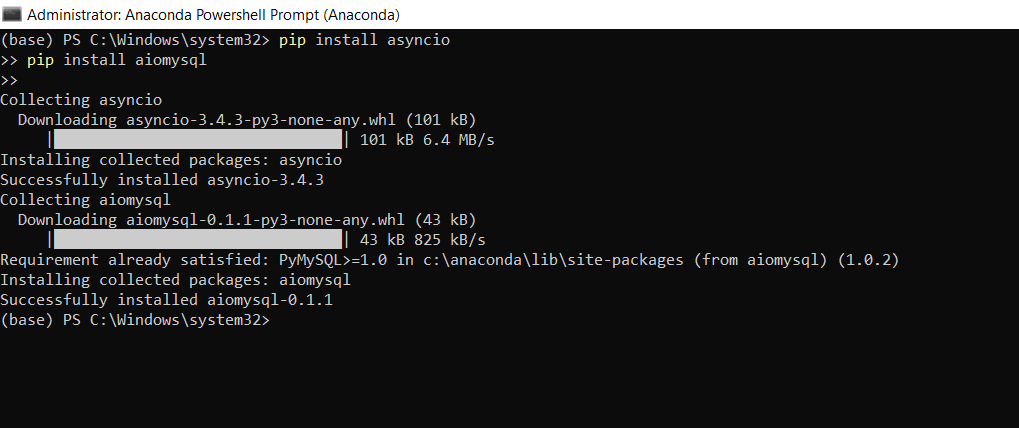
The aiomysql connection driver is like the asynchronous version of PyMySQL. It provides access to a MySQL database from the asyncio framework.

To use aiomysql, you need Python 3.7 + and PyMySQL installed in your development environment.

Run the following commands to install asyncio and aiomysql.

pip install asyncio

pip install aiomysql



**Python code for the first three methods**

1. **MySQLdb – check and report MySQL version**

### pip install C:\python-mysql\mysqlclient-1.4.6-cp39-cp39-win\_amd64.whl

#!/usr/bin/python

# -\*- coding: utf-8 -\*-

import MySQLdb as mdb

import sys

con = None

try:

con = mdb.connect("localhost","testUser", "A4min@123","hr");

cur = con.cursor()

cur.execute("SELECT VERSION()")

data = cur.fetchone()

print("Database version : %s " % data)

except MySQLdb.Error as e:

print("Error %d: %s" % (e.args[0],e.args[1]))

sys.exit(1)

finally:

if con:

con.close()

1. **mysql.connector– check and report MySQL version**

#!/usr/bin/python

# -\*- coding: utf-8 -\*-

import sys

import mysql.connector

from mysql.connector import errorcode

cnx = mysql.connector.connect(host = "localhost",user = "testUser", password = "A4min@123", database = "hr")

cur = cnx.cursor()

cur.execute("SELECT VERSION()")

data = cur.fetchone()

print("Database version : %s " % data)

### Close the db connection

cnx.close()

#### ---- END ---- ##########################

1. **PyMySQL – check and report MySQL version’**

#!/usr/bin/python

# -\*- coding: utf-8 -\*-

import sys

import pymysql

cnx = pymysql.connect(host = "localhost",user = "testUser", password = "A4min@123",\

db = "hr")

cur = cnx.cursor()

cur.execute("SELECT VERSION()")

data = cur.fetchone()

print("Database version : %s " % data)

### Close the db connection

cnx.close()

#### ---- END ---- ##########################