

PostgreSQL

PostgreSQL is another popular open source database that a lot of people like to use. Python has quite a few different packages that support this backend, but the most popular is **Psycopg**. The Psycopg package supports Python 2.5-2.7 and Python 3.1-3.4. It will likely work with Python 3.5 too if you build it yourself.

Unfortunately, Psycopg doesn't support pip for installation, so you will need to consult their documentation on how to get it installed. The reason is that each operating system has a different installation method.

Once it is installed, you can try out the following code:

```
import psycopg2

conn = psycopg2.connect(dbname='my_database', user='username')
cursor = conn.cursor()

# execute a query
cursor.execute("SELECT * FROM table_name")
row = cursor.fetchone()

# close your cursor and connection
cursor.close()
conn.close()
```



As expected, the Psycopg package follows the standard API that we've been seeing. Here we just import the package and connect to our database. Then we create our cursor and run our lovely `SELECT *` statement. Finally we grab the first row of data from the result via **fetchone**. Finally we close down our cursor and connection.