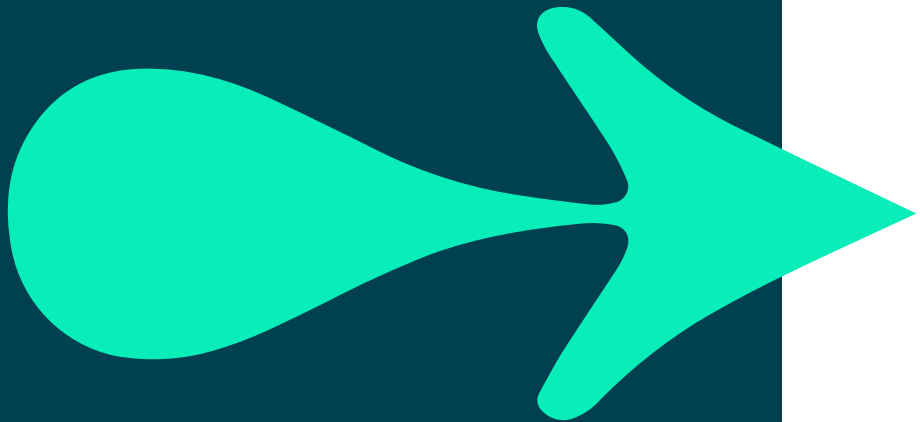# Installing PYODBC package in Visual Studio

OBJECTIVES

- Explain what pyodbc is
- Install the pyodbc module in a python app
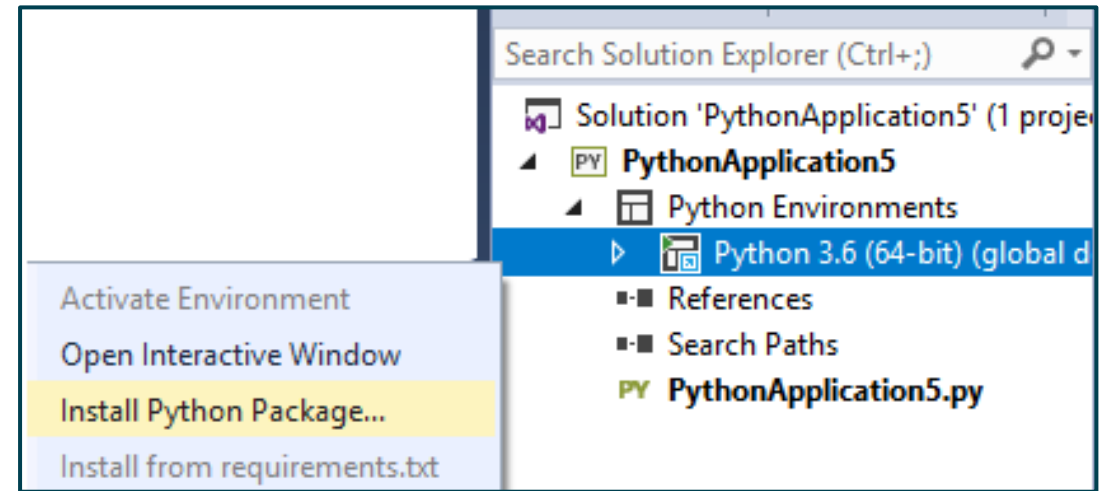- Test the installation by running code that uses pyodbc

What is pyodbc?

- pyodbc is an open source Python module that makes accessing ODBC databases simple.

- You can install it by typing:
  pip install pyodbc

- Or you can get visual studio to install it for you.

- You'll install and use pyodbc during this lecture as an inline exercise.
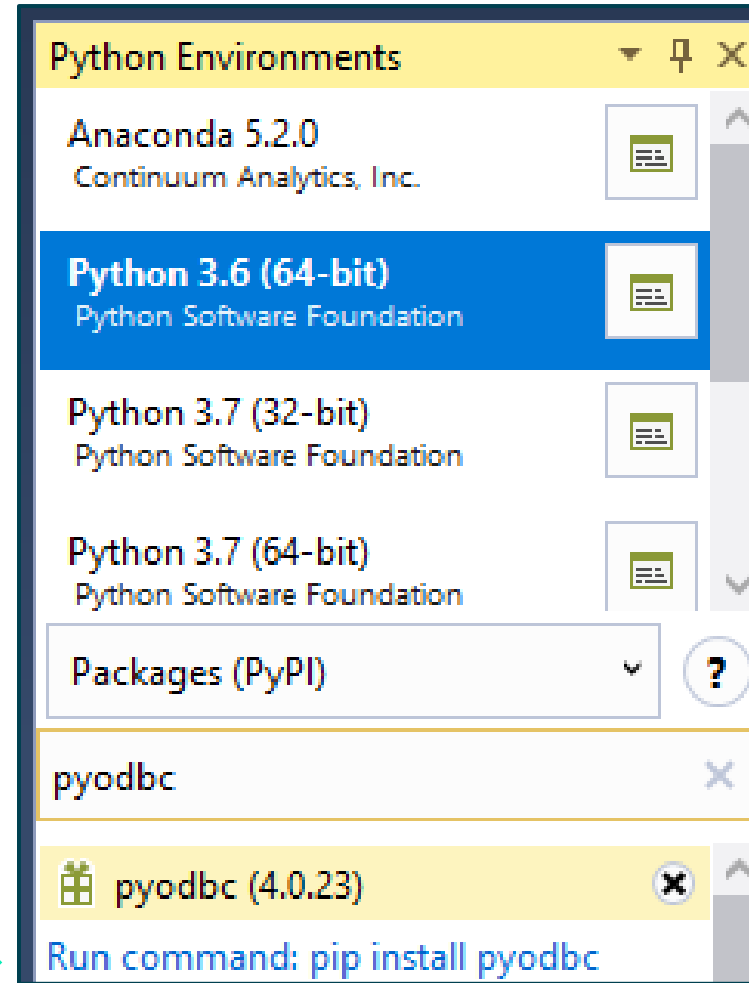
Installing pyodbc - 1

1. Create a python application
2. Open the Solution Explorer
3. Click the menu items shown below

Installing pyodbc - 2

1. Search for pyodbc

2. Select this link

Try pyodbc to fetch a rows

- **Copy and past the following code to test pyodbc is installed**
  - The code will be explained in the next chapter

```python
import pyodbc

connectionString = r'DRIVER={ODBC Driver 13 for SQL Server};SERVER=.\SQLExpress;DATABASE=qastore;Trusted_Connection=yes'

conn = pyodbc.connect(connectionString)
cur = conn.cursor()
result = cur.execute('SELECT * FROM company').fetchall()
conn.close()

for row in result:
    print(row)
```
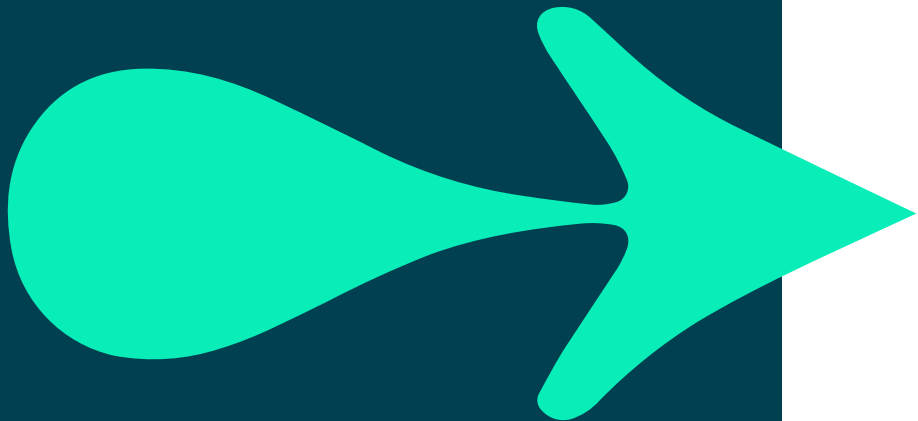
- **Ask your trainer if the table content is not shown**

OBJECTIVES

- **Explain what pyodbc is**
- **Install the pyodbc module in a python app**
- **Test the installation by running code that uses pyodbc**

No lab for this chapter as you've performed an inline lab.

Any Questions?

Thank you