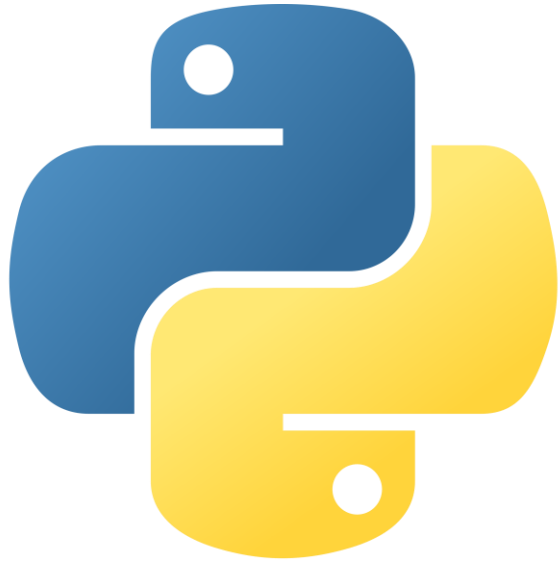




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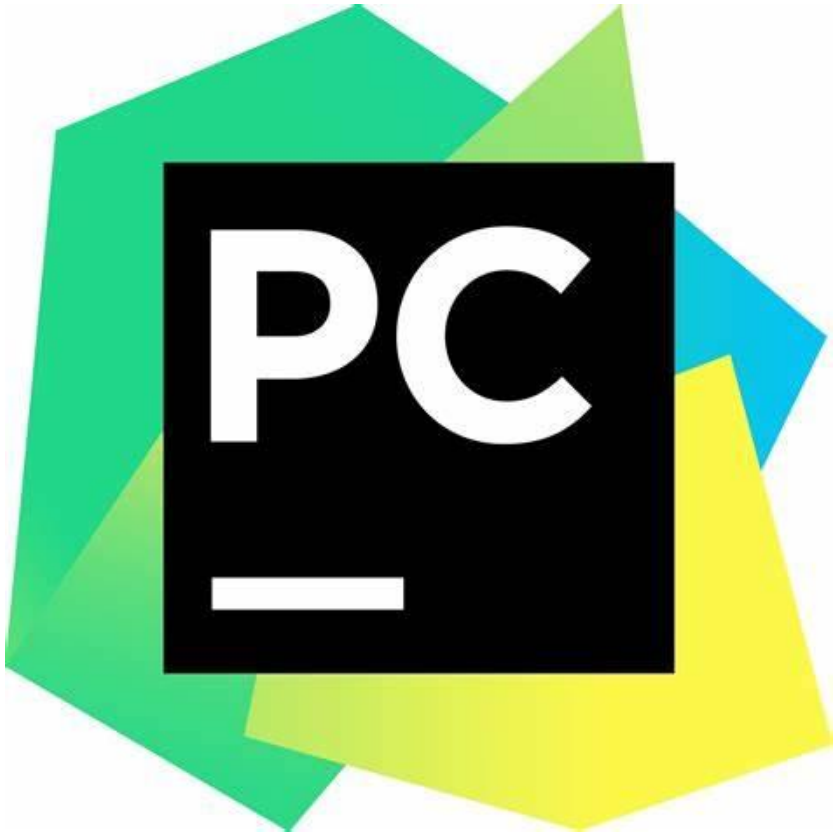
PyCharm Setup

Downloading Python



- Go to www.python.org/downloads/
- Choose operating system
- Download!

Downloading PyCharm



- Go to www.jetbrains.com/pycharm/
- Download!
- Create jetbrains account using ucalgary email
- Apply for student license
- Activate!

Windows macOS Linux



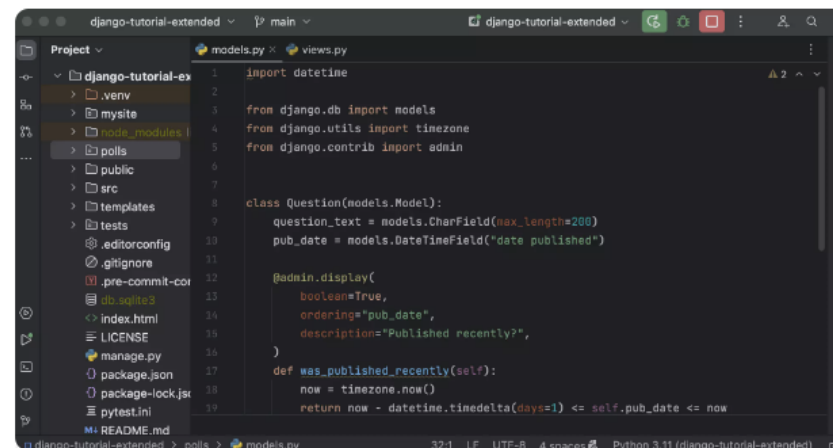
PyCharm Professional

The Python IDE for Professional Developers

Download

exe ▼

Free 30-day trial



Version: 2023.3.2

Build: 233.13135.95

19 December 2023

[System requirements](#)[Installation instructions](#)[Other versions](#)[Third-party software](#)

<https://www.jetbrains.com/academy/student-pack/>



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University email address ISIC/ITIC membership Official document GitHub

Status

☒ I'm a student ☐ I'm a teacher

Country / region

Canada ▼

Level of study

Undergraduate ▼

☐ Computer Science or Engineering is my major field of study

Email address

University email address (e.g., js@mit.edu)

I certify that this email address is valid and belongs to me.

Personal email

Personal email address (e.g., john.smith@gmail.com)

I confirm that this email address belongs to me.

Verify

First Name

Last Name

Please enter your full name as it appears on your passport, driver's license, or other legal identification.

☐ I am under 13 years old

☐ I have read and accept the [JetBrains Account Agreement](#)

☐ I would like to receive updates about JetBrains products and JetBrains Academy, including invitations to participate in research ●

By submitting this form, I acknowledge that the personal data I filled in will be processed for the purposes explained above and in accordance with the settings I selected. I can manage my consent preferences in [my profile](#), or use an unsubscribe link in each email. Personal data will be processed by JetBrains s.r.o., in accordance with the [JetBrains Privacy Policy](#), and may engage [third parties](#) in such processing.

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Open PyCharm



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Version 2.0, effective as of April 10, 2025

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1. Introduction

This JetBrains User Agreement ("Agreement") is entered into between JetBrains s.r.o., a company with its registered office at Na hřebenech II



I confirm that I have read and accept the terms of this User Agreement

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Data Sharing



DATA SHARING

This information includes, but is not limited to, anonymous data about your feature and plugin usage, hardware and software configuration, file type statistics, and the number of files per project. No personal data or sensitive information, such as source code or file names, is shared with us. Learn more [here](#).

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You can always change this behavior in Settings | Appearance & Behavior | System Settings | Data Sharing.

Don't Send

Send Anonymous Statistics



Windows Security



Do you want to allow public, private and domain networks to access this app?

Windows Firewall has blocked some features of PyCharm 2026.2.1 on all public, private and domain networks.



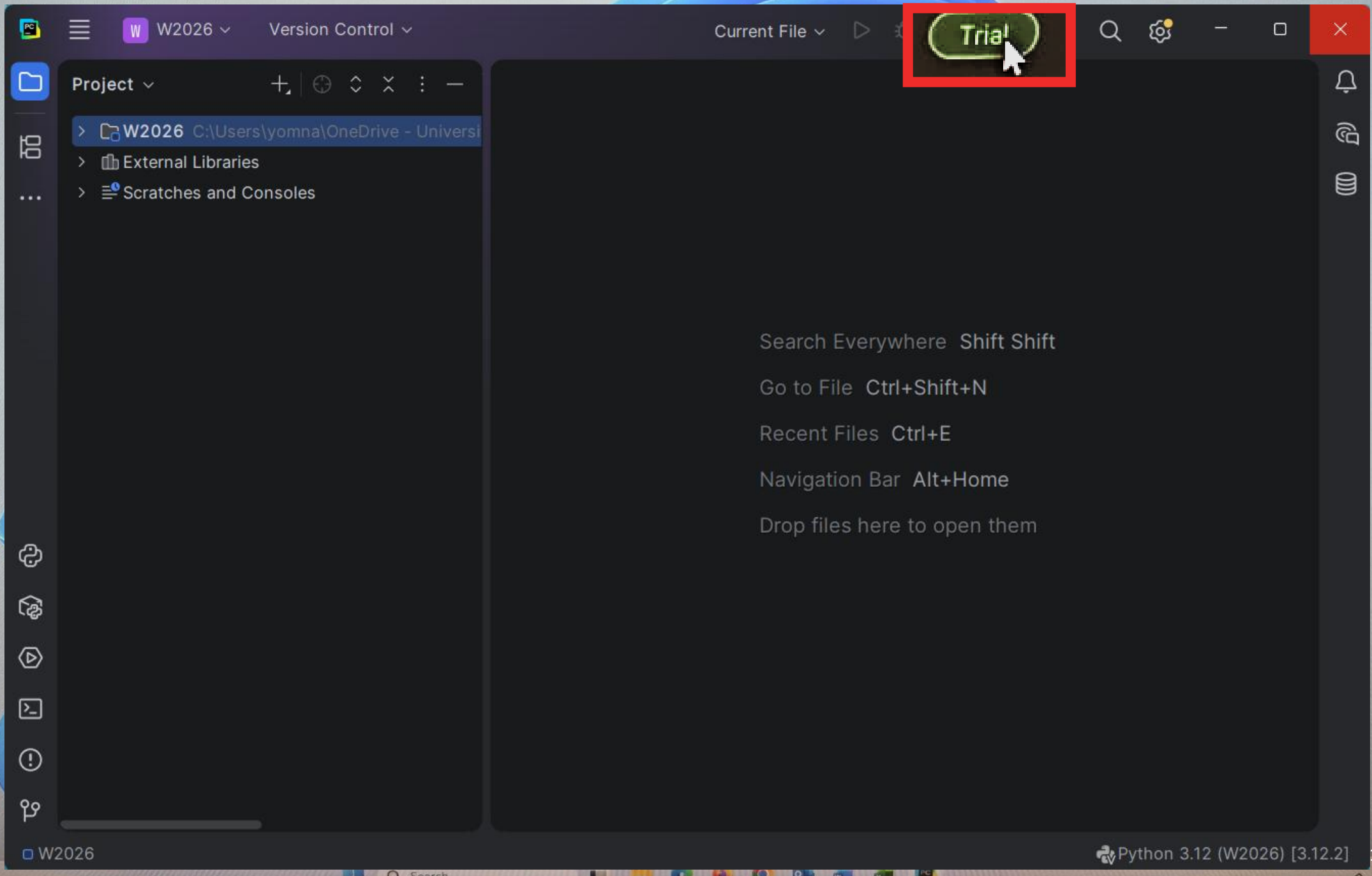
PyCharm 2026.2.1

Publisher: JetBrains s.r.o.

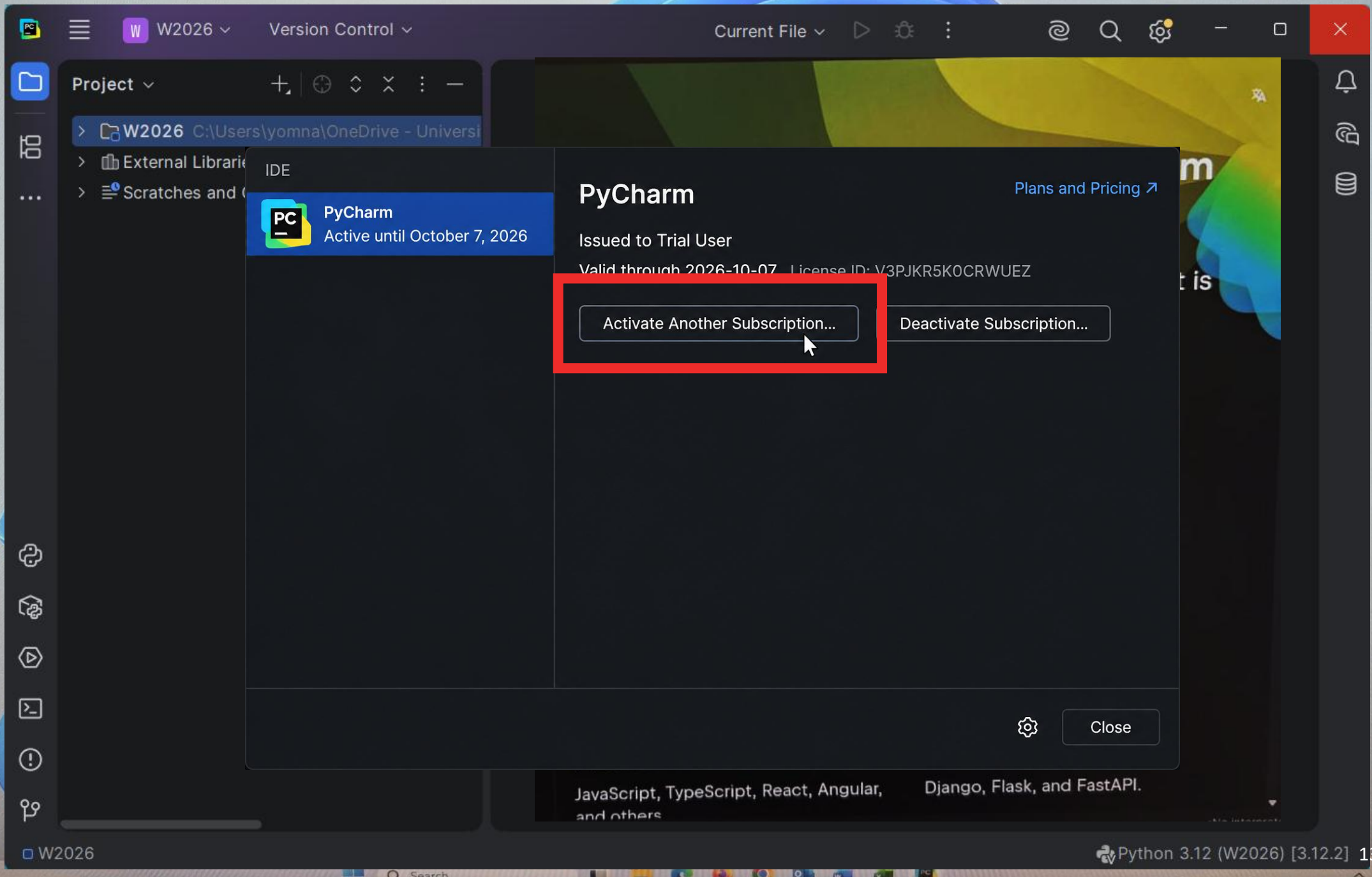
[Show more](#)

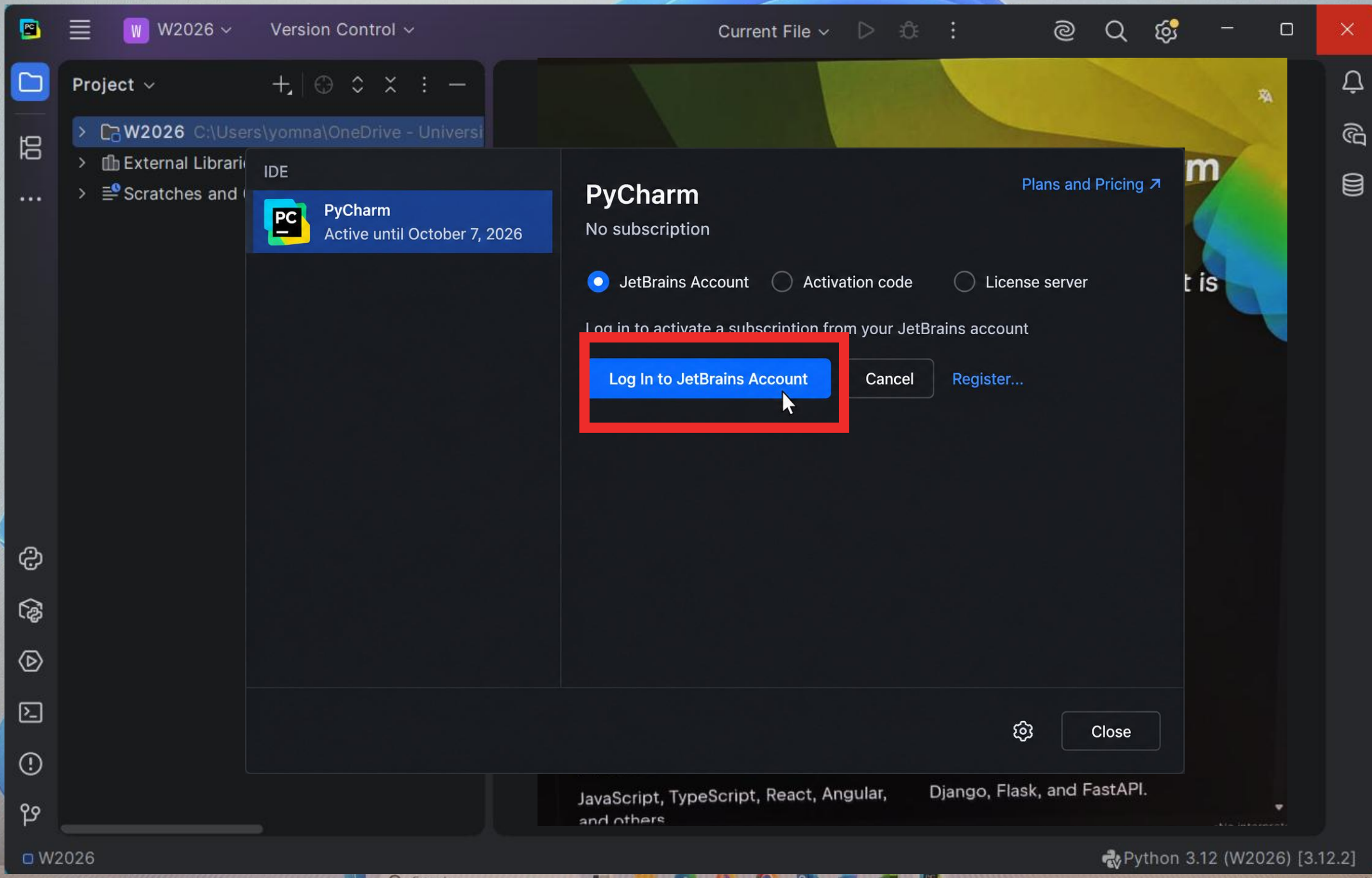
Allow

Cancel



The screenshot displays the PyCharm IDE interface. On the left, a sidebar shows the 'Project' view with a tree structure including 'W2026', 'External Libraries', and 'Scratches and Consoles'. The main workspace is dominated by a large, semi-transparent trial expiration banner. The banner features a dark background with a colorful, abstract graphic of a hand holding a glowing orb. The text on the banner reads: 'You are on a roll with your PyCharm Pro trial!', 'Enjoy all IDE features completely free. No payment is required.', and 'Days left: 30'. Below this text are two buttons: 'Get PyCharm Pro' and 'Activate PyCharm Pro'. The 'Activate PyCharm Pro' button is highlighted with a red rectangular border. At the bottom of the banner, it states 'With PyCharm Pro you get support for:' followed by two columns of text: 'Frontend frameworks' (JavaScript, TypeScript, React, Angular, and others) and 'Web frameworks' (Django, Flask, and FastAPI). The top of the IDE shows a toolbar with various icons, and the bottom status bar indicates the current project is 'W2026' and the Python version is 'Python 3.12 (W2026) [3.12.2]'.







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or



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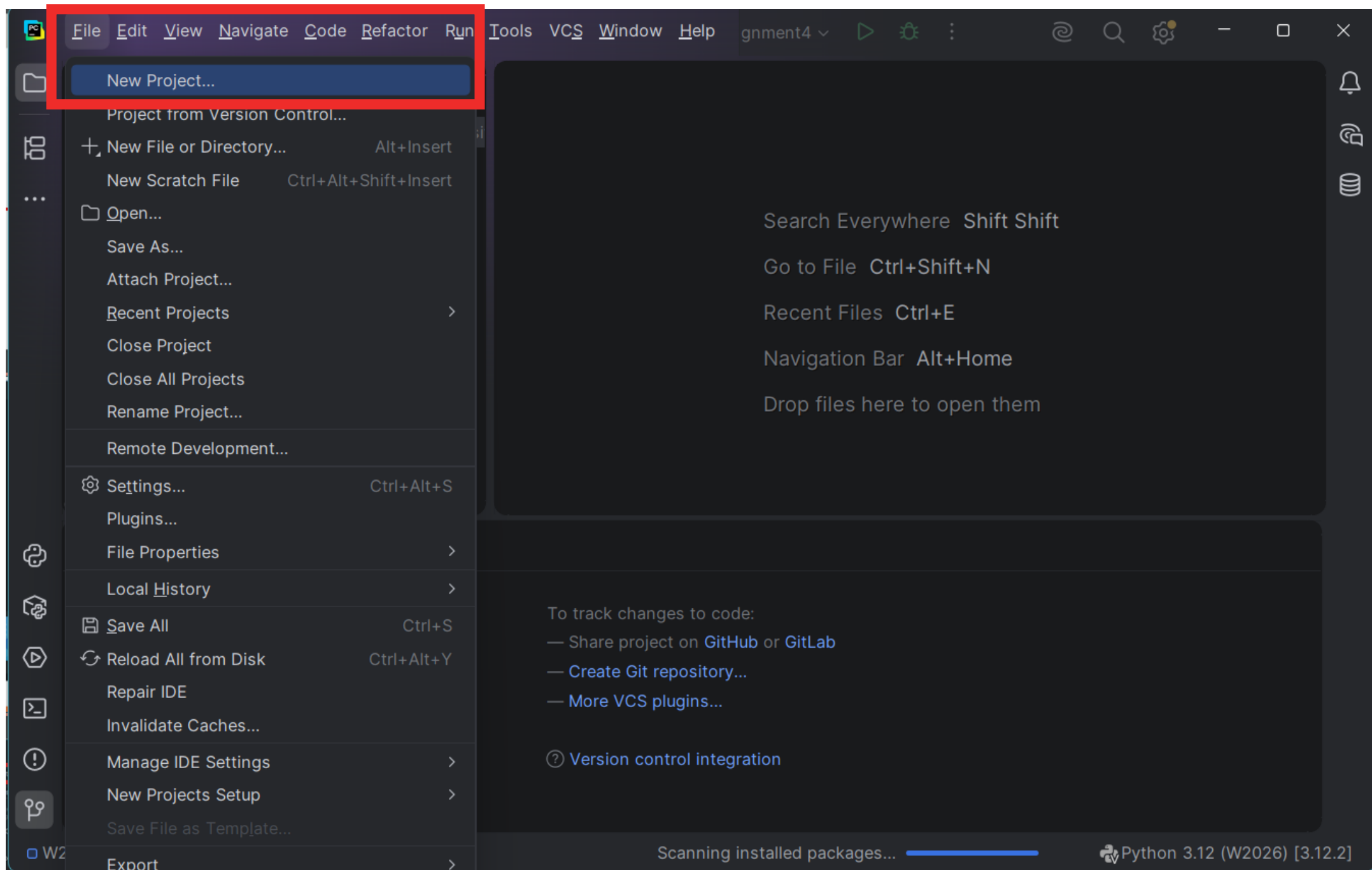
New here? [Create an account](#)

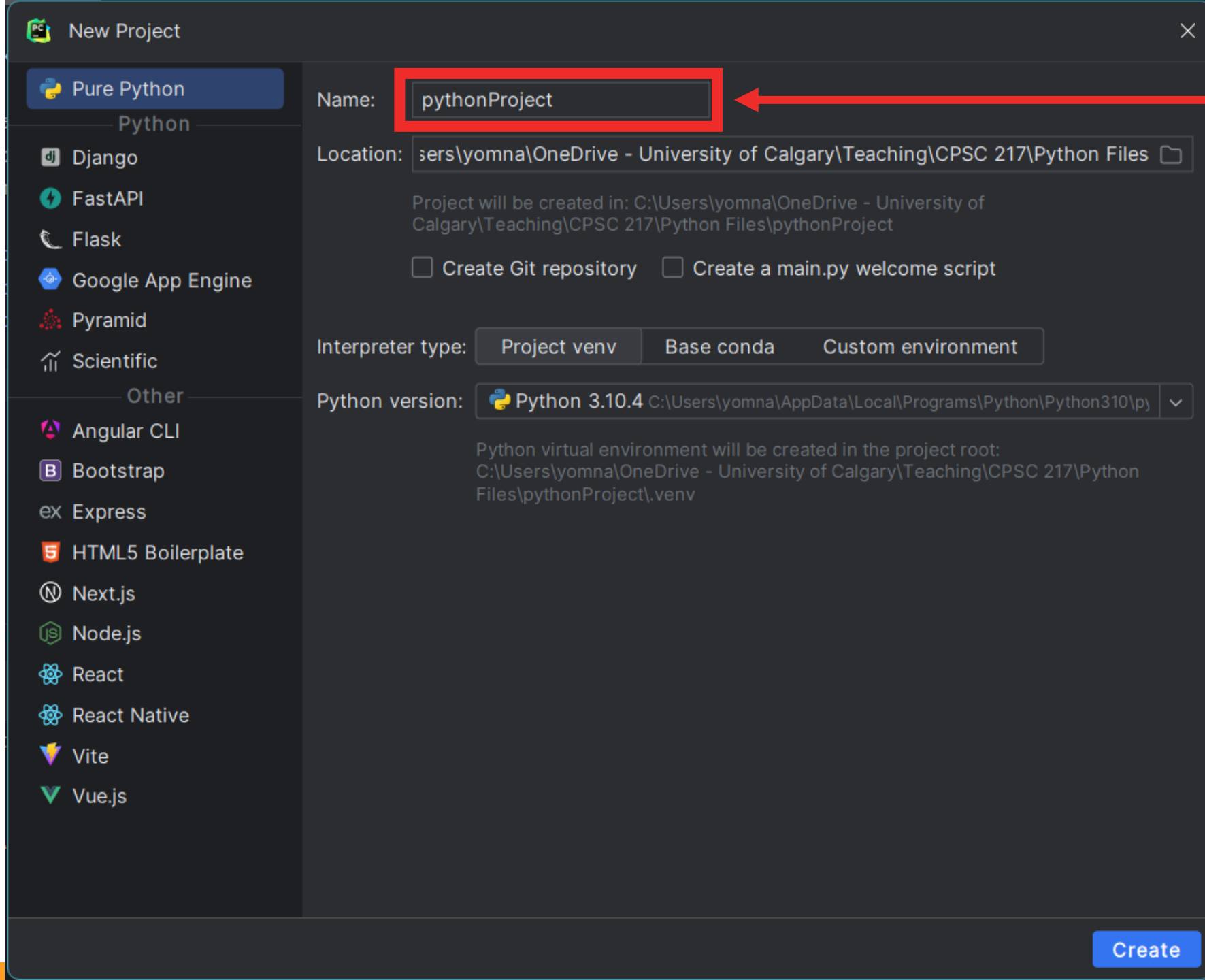
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New Project + New File





Set project name
Ex.: F2026 CPSC217

PC

New Project

×

Python

Pure Python

Django

FastAPI

Flask

Google App Engine

Pyramid

Scientific

Other

Angular CLI

Bootstrap

Express

HTML5 Boilerplate

Next.js

Node.js

React

React Native

Vite

Vue.js

Name:pythonProject

LocationC:\Users\yomna\OneDrive - University of Calgary\Teaching\CPSC 217\Python Files

Project will be created in: C:\Users\yomna\OneDrive - University of Calgary\Teaching\CPSC 217\Python Files\pythonProject

☐ Create Git repository☐ Create a main.py welcome script

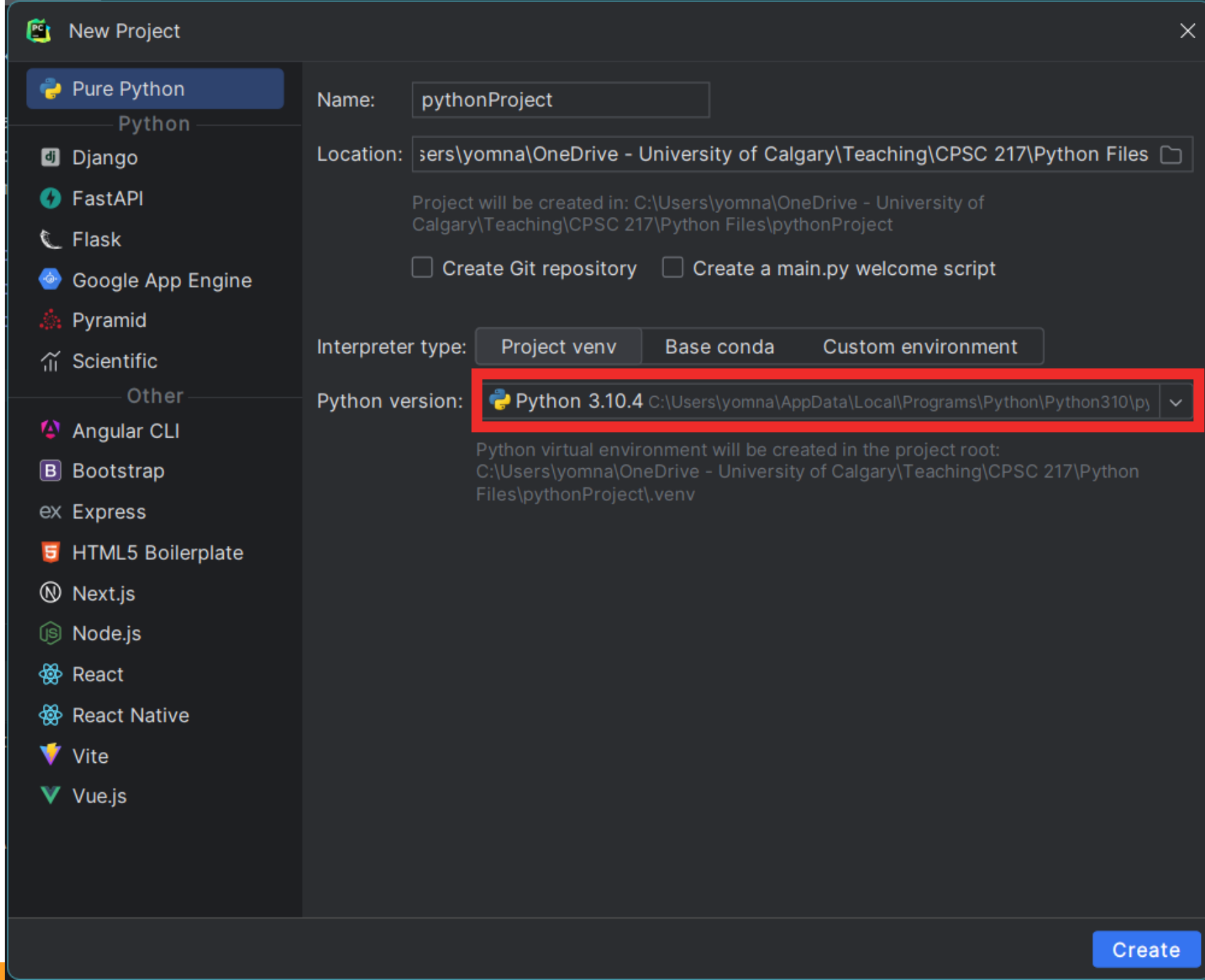
Interpreter type:Project venvBase condaCustom environment

Python version:Python 3.10.4 C:\Users\yomna\AppData\Local\Programs\Python\Python310\py

Python virtual environment will be created in the project root:
C:\Users\yomna\OneDrive - University of Calgary\Teaching\CPSC 217\Python Files\pythonProject\.venv

Create

Set file location on your computer



Make sure this is set to python

PC

New Project

×

Python

Pure Python

Django

FastAPI

Flask

Google App Engine

Pyramid

Scientific

Other

Angular CLI

Bootstrap

Express

HTML5 Boilerplate

Next.js

Node.js

React

React Native

Vite

Vue.js

Name:

Location: 

Project will be created in: C:\Users\yomna\OneDrive - University of Calgary\Teaching\CPSC 217\Python Files\pythonProject

☐ Create Git repository ☐ Create a main.py welcome script

Interpreter type:

Project venvBase condaCustom environment

Python version:

 Python 3.10.4 C:\Users\yomna\AppData\Local\Programs\Python\Python310\py



Python virtual environment will be created in the project root:
C:\Users\yomna\OneDrive - University of Calgary\Teaching\CPSC 217\Python Files\pythonProject\.venv

Create

Click here

Project ▾

W2026

Right click on this

.venv library root

> External Libraries

> Scratches and Consoles

Search Everywhere Double Shift

Go to File Ctrl+Shift+N

Recent Files Ctrl+E

Navigation Bar Alt+Home

Drop files here to open them

Project ▾

New >

Bring your cursor (mouse) here

▾ W2026

> .venv

> External

> Scratch

✂ Cut Ctrl

📄 Copy Ctrl+C

Copy Path/Reference...

📄 Paste Ctrl+V

Find Usages Alt+F7

Find in Files... Ctrl+Shift+F

Replace in Files... Ctrl+Shift+R

Inspect Code...

Refactor >

Clean Python Compiled Files

Bookmarks >

≡ Reformat Code Ctrl+Alt+L

Optimize Imports Ctrl+Alt+O

Open In >

Local History >

Repair IDE on File

↻ Reload from Disk

Go to Link Target

↔ Compare With... Ctrl+D

Mark Directory as >

⬆⬆ Diagrams >

Search Everywhere Double Shift

Go to File Ctrl+Shift+N

Recent Files Ctrl+E

Navigation Bar Alt+Home

Drop files here to open them

Project ▾

W2026

.venv

External

Scratch

New

Cut

Copy

Copy Path/Reference...

Paste

Find Usages

Find in Files...

Replace in Files...

Inspect Code...

Refactor

Clean Python Compiled Files

Bookmarks

Reformat Code

Optimize Imports

Open In

Local History

Repair IDE on File

Reload from Disk

Go to Link Target

Compare With...

Mark Directory as

Diagrams

File

Scratch File

Directory

Python Package

Python File

Jupyter Notebook

JavaScript File

TypeScript File

HTML File

Stylesheet

package.json

Dockerfile

HTTP Request

OpenAPI Specification

Gherkin feature file

Edit File Templates...

Resource Bundle

EditorConfig File

Data Source in Path

Choose Python file

Project ▾

▾ W2026 C:\Users\yomna\OneDrive\Documents\W2026

> .venv library root

> External Libraries

> Scratches and Consoles

New Python file

 |Name

Write file name and press enter

 Python file

 Python unit test

 Python stub

Everywhere Double Shift

Files Ctrl+E

Run Bar Alt+Home

Drop files here to open them

Project ▾

▾ W2026 C:\Users\yomna\OneDr

> .venv library root

 Tutorial1.py

> External Libraries

> Scratches and Consoles

 Tutorial1.py ×

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Downloading and Running files

Course's website

- On d2l
 - https://pages.cpsc.ucalgary.ca/~bdstephe/217_F26/

Introduction to Computer Science for Multidisciplinary Studies I

This course provides an introduction to problem solving, analysis and design of small-scale computational systems. Solutions will be implemented using a procedural programming language. This course is targeted at students wishing to combine studies in computer science with studies in other disciplines.

— Announcements

- Classes begin on Tuesday January 13, 2026.
- Tutorials begin on Wednesday January 21, 2026.

— Important Dates

- Reading break: February 16 to 20, 2026 (no classes or tutorials)
- Midterm Exam #1: Tuesday February 24, 2026 during class time (ENA 101 and ENA 103)
- Midterm Exam #2: Tuesday March 24, 2026 during class time (ENA 101 and ENA 103)

The due dates for the assignments and exercises can be found in the Assignments and Exercises sections of this page.

— Support Materials

- [Course Outline](#)
- Topic 1: Introduction [1up](#) [2up](#) [4up](#)
- Topic 2: Introduction to Programming [1up](#) [2up](#) [4up](#)
 - [pressure.py](#) and a [video of it being created](#).
- Topic 3: Information and Data [1up](#) [2up](#) [4up](#)
- Topic 4: Decisions [1up](#) [2up](#) [4up](#)
- Topic 5: Repetition [1up](#) [2up](#) [4up](#)
 - [Loop Exercises](#) -- These exercises can be completed using either for loops or while loops (or better yet, complete all the exercises twice -- once using while loops, and again using for loops).

Right click on it



Introduction to Computer Science for Multidisciplinary Studies I

This course provides an introduction to computer science with studies in

of small-scale computational systems. Solutions will be presented at students wishing to combine studies in computer

Announcements

- Classes begin
- Tutorials begin

Important Dates

- Reading break
- Midterm Exam
- Midterm Exam

The due dates for the

NA 101 and ENA 103)
101 and ENA 103)

assignments and Exercises sections of this page.

Support Materials

- [Course Outline](#)
- [Topic 1: Introduction](#)
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Open link in new tab

Open link in split view

Open link in new window

Open link in incognito window

Save link as...

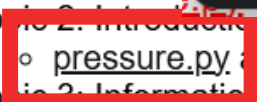
Copy link address

Download with Free Download Manager

Malwarebytes Browser Guard

Inspect

Click on this



Introduction to Computer Science for Multidisciplinary Studies I

This course provides an introduction to problem solving, analysis and design of small-scale computational systems. Solutions will be implemented using a procedural programming language. This course is targeted at students wishing to combine studies in computer science with studies in other disciplines.

Announcements

- C
- T

Imports

- R
- M
- M

File name

pressure.py

☐ Scheduler

Size: 298 B (Disk space: 15.4 GB)

Cancel

Download

The due dates for the assignments and exercises can be found in the Assignments and Exercises sections of this page.

Support Materials

- [Course Outline](#)
- Topic 1: Introduction [1up](#) [2up](#) [4up](#)
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 - [Loop Exercises](#) -- These exercises can be completed using either for loops or while loops (or better yet, complete all the exercises twice -- once using while loops, and again using for loops).



W2026 Version control Current File

Downloads Search Downloads

Sort View

pressure.py

Drag and drop file in directory

W2026 C:\Users\yomna\OneDrive

- .venv library root
 - Lib
 - Scripts
 - .gitignore
 - pyvenv.cfg
- External Libraries
- Scratches and Consoles

Search Everywhere Double Shift

File Ctrl+Shift+N

Files Ctrl+E

igation Bar Alt+Home

files here to open them



Downloads > Search Downloads

pressure.py

Project

- W2026
 - .venv library root
 - Lib
 - Scripts
 - .gitignore
 - pyvenv.cfg
 - External Libraries
 - Scratches and Consoles

Move

Move file C:\Users\yomna\Downloads\pressure.py

To directory: OneDrive - University of Calgary\Teaching\CPSC 217\Python Files\W2026

Use Ctrl+Space for path completion

☒ Search for references

☐ Open in editor

Click on this → Refactor

Cancel



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Finding your file

PC W2026 Version Control Assignment4

Project

- > Assignment3
- > Teaching
 - Dict1.py
 - Dict2.py
 - Enamx_Bill.txt
 - ex.py
 - example.py**
 - FilesAndStrings.py
 - SimpleGraphics.py
 - test.py
- > External Libraries
- > Scratches and Consoles

Search Everywhere Shift Shift

Go to File Ctrl+Shift+N

Recent Files Ctrl+E

Navigation Bar Alt+Home

Drop files here to open them

Version Control

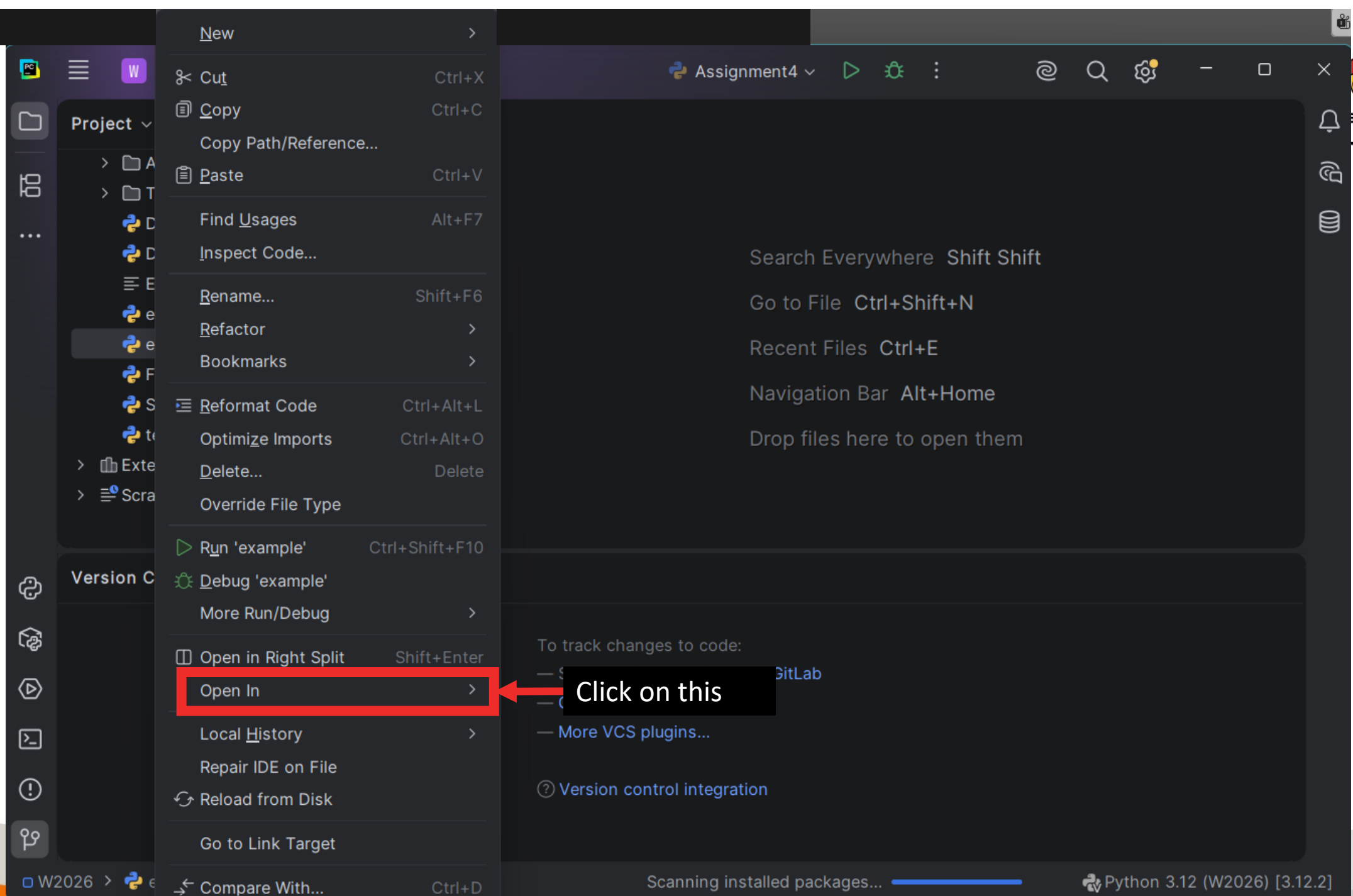
To track changes to code:

- Share project on [GitHub](#) or [GitLab](#)
- [Create Git repository...](#)
- [More VCS plugins...](#)

Version control integration

W2026 > example.py Python 3.12 (W2026) [3.12.2]

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The image shows the PyCharm IDE interface. The 'New' menu is open, displaying various actions with their keyboard shortcuts. The 'Open In' option is highlighted with a red rectangle. A red arrow points from a text box to this option. In the background, a search overlay is visible with the following options:

- Search Everywhere Shift Shift
- Go to File Ctrl+Shift+N
- Recent Files Ctrl+E
- Navigation Bar Alt+Home
- Drop files here to open them

At the bottom of the IDE, the status bar shows 'Scanning installed packages...' and 'Python 3.12 (W2026) [3.12.2]'.

New

- Cut Ctrl+X
- Copy Ctrl+C
- Copy Path/Reference...
- Paste Ctrl+V
- Find Usages Alt+F7
- Inspect Code...
- Rename... Shift+F6
- Refactor
- Bookmarks
- Reformat Code Ctrl+Alt+L
- Optimize Imports Ctrl+Alt+O
- Delete... Delete
- Override File Type
- Run 'example' Ctrl+Shift+F10
- Debug 'example'
- More Run/Debug
- Open in Right Split Shift+Enter
- Open In**
- Local History
- Repair IDE on File
- Reload from Disk
- Go to Link Target
- Compare With... Ctrl+D

Click on this

Assignment4

Search Everywhere Shift Shift

Go to File Ctrl+Shift+N

Recent Files Ctrl+E

Navigation Bar Alt+Home

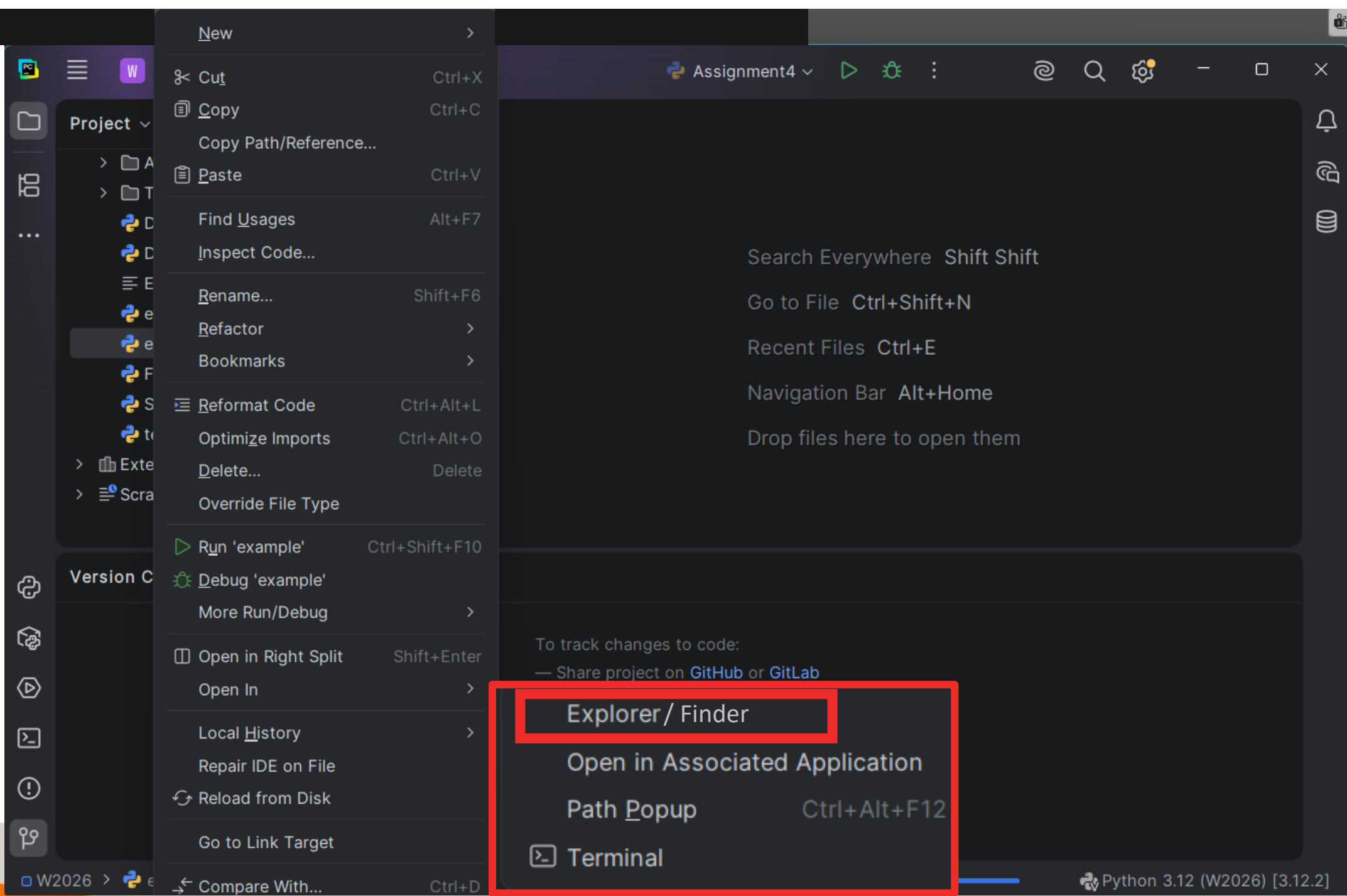
Drop files here to open them

To track changes to code:

- GitLab
- More VCS plugins...
- Version control integration

W2026 Python 3.12 (W2026) [3.12.2]

Scanning installed packages...



The image shows the Visual Studio Code (VS Code) interface. The 'New' menu is open, displaying various actions such as Cut, Copy, Paste, Find Usages, Inspect Code..., Rename..., Refactor, Bookmarks, Reformat Code, Optimize Imports, Delete..., Override File Type, Run 'example', Debug 'example', More Run/Debug, Open in Right Split, Open In, Local History, Repair IDE on File, Reload from Disk, and Go to Link Target. The context menu for the Explorer/Finder view is also open, showing options like Explorer/ Finder, Open in Associated Application, Path Popup, and Terminal. The background shows the Explorer sidebar with a project structure and the main editor area with a file named 'Assignment4'.

New

- Cut Ctrl+X
- Copy Ctrl+C
- Copy Path/Reference...
- Paste Ctrl+V
- Find Usages Alt+F7
- Inspect Code...
- Rename... Shift+F6
- Refactor
- Bookmarks
- Reformat Code Ctrl+Alt+L
- Optimize Imports Ctrl+Alt+O
- Delete... Delete
- Override File Type
- Run 'example' Ctrl+Shift+F10
- Debug 'example'
- More Run/Debug
- Open in Right Split Shift+Enter
- Open In
- Local History
- Repair IDE on File
- Reload from Disk
- Go to Link Target

Assignment4

Search Everywhere Shift Shift

Go to File Ctrl+Shift+N

Recent Files Ctrl+E

Navigation Bar Alt+Home

Drop files here to open them

To track changes to code:
— Share project on [GitHub](#) or [GitLab](#)

Explorer/ Finder

Open in Associated Application

Path Popup Ctrl+Alt+F12

Terminal

W2026 Python 3.12 (W2026) [3.12.2]



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Uploading your file on D2L



CPSC 217 - ALL - (Fall 2026) - Introduction to Computer Science for Multidisciplinary Studies I

Calgary Territorial Acknowledgement

The University of Calgary, located in the heart of Southern Alberta, both acknowledges and pays tribute to the traditional territories of the peoples of Treaty 7, which include the Blackfoot Confederacy (comprised of the Siksika, the Piikani, and the Kainai First Nations), the Tsuut'ina First Nation, and the Stoney Nakoda (including Chiniki, Bearspaw, and Goodstoney First Nations). The city of Calgary is also home to the Métis Nation within Alberta (including Nose Hill Métis District 5 and Elbow Métis District 6).



News

Course Website

Posted by Benjamin Stephenson

The course website can be found here:

https://pages.cpsc.ucalgary.ca/~bdstephe/217_F26/. It contains a great deal of useful information about the course. D2L will only be used for submitting work and

Updates

1 New Assignment Submissions

SCIE Important Links - Students

Need D2L Help?

- [D2L Guide for Learners](#)

Science Student Services

- [Science Advising](#)
- [Science Careers & Co-op](#)

Wellness Support

- [Student Wellness Services](#)

[Dropbox](#)[Grades](#)[Quizzes](#)[Rubrics](#)[Self Assessments](#)[Surveys](#)

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- [Science Careers & Co-op](#)

Wellness Support

- [Student Wellness Services](#)



Assignment 1 Due on Oct 9, 2026 11:00 PM <u>Sep 30 - Oct 9</u>		0/521	0/521	0/521
Assignment 2 Due on Oct 23, 2026 11:00 PM <u>Oct 14 - Oct 23</u>		0/521	0/521	0/521
Assignment 3 Due on Nov 21, 2026 12:00 AM <u>Nov 9 - Nov 21</u>		0/521	0/521	0/521
Assignment 4 Due on Dec 5, 2026 12:00 AM <u>Nov 25 - Dec 5</u>		0/521	0/521	0/521
Exercise 1 Due on Sep 22, 2026 11:00 PM <u>Sep 1 - Sep 22</u>	1	1/521	0/521	0/521
Exercise 2 Due on Sep 29, 2026 11:00 PM <u>Sep 23 - Sep 29</u>		0/521	0/521	0/521

[Dropbox](#) >

Exercise 1

▼ [Hide Folder Information](#)

Submit Assignment

Files to submit *

(0) file(s) to submit

After uploading, you must click Submit to complete the submission.

Add a File

Record Audio

Record Video

Comments

Paragraph ▼ **B** *I* U ~~A~~         Lato (Recomm... ▼ 19px (... ▼      

Submit

Cancel

Dropbox >

Exercise 1

▼ Hide Folder Information

Submit Assignment

Files to submit *

(0) file(s) to submit

After uploading, you may

Add a File Reconnect

Comments

Paragraph ▾ **B** *I*

Add Back Cancel

Add a File

Drop files here, or click below!

 Upload

You can upload files up to a maximum of 2 GB.

Drag and drop file from explorer/finder
OR
click upload and look for file

Add Back Cancel

Submit

Cancel

[Dropbox](#) >

Exercise 1

▼ [Hide Folder Information](#)

Submit Assignment

Files to submit *

(0) file(s) to submit

After uploading, you may:

[Add a File](#) [Rece...](#)

Comments

Paragraph ▼ **B** *I*

[Add](#) [Back](#) [Cancel](#)

Add a File

Drop files here, or click below!

[Upload](#)

You can upload files up to a maximum of 2 GB.

Remember: only upload the .py file

[Add](#) [Back](#) [Cancel](#)

[Submit](#)

[Cancel](#)