WOMEN WHO CODE /python

Python for Beginners

Weekly Study Group for Python Beginners
Starting October 22nd | 12PM ET

Register at womenwhocode.com/events

WELCOME!

We will get started shortly.

Please share in the Chat:

- Where you are joining from
- What the weather is like today

Reminder: Set your Chat to "Everyone".

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Our Mission

Empower diverse women to excel in technology careers

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Our Vision

A tech industry where diverse women and historically excluded people thrive at every level.

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CODE OF CONDUCT

WWCode is an inclusive community, dedicated to providing an empowering experience for everyone who participates in or supports our community, regardless of gender, gender identity and expression, sexual orientation, ability, physical appearance, body size, race, ethnicity, age, religion, socioeconomic status, caste, creed, political affiliation, or preferred programming language(s).

Our events are intended to inspire women to excel in technology careers, and anyone who is there for this purpose is welcome. We do not tolerate harassment of members in any form. Our **Code of Conduct** applies to all WWCode events and online communities.

Read the full version and access our incident report form at
womenwhocode.com/codeofconduct

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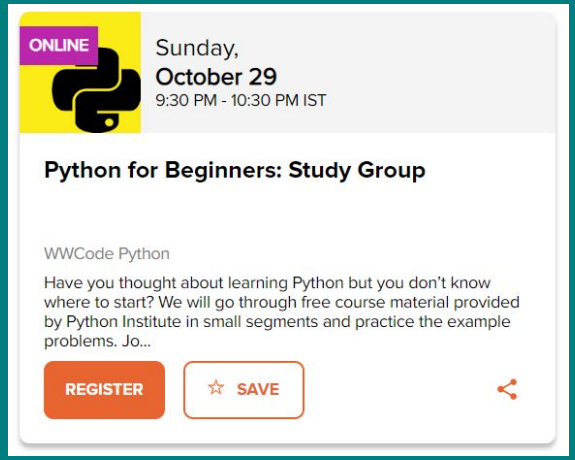
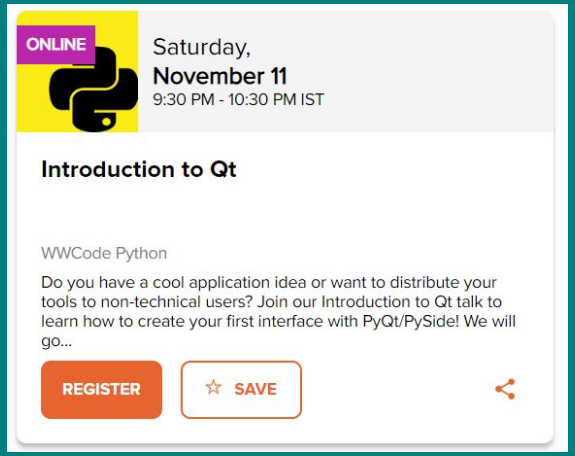
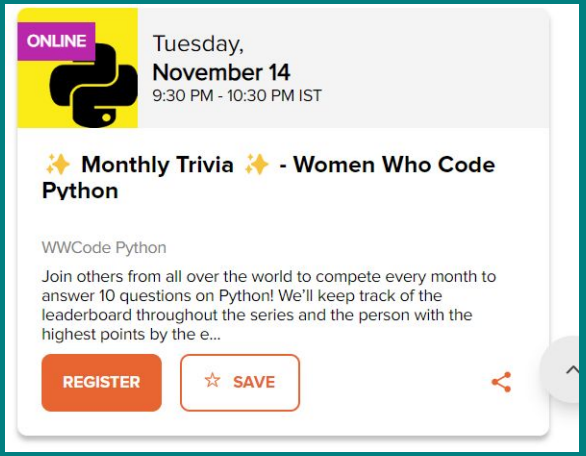
/upcoming events

Learn more and register at
womenwhocode.com/python







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/stay connected

Join Women Who Code Python on Slack

Find us on LinkedIn, Twitter, Instagram & Facebook: **@WWCodePython**

Find links to join our community and follow us: **beacons.ai/WWCodePython**

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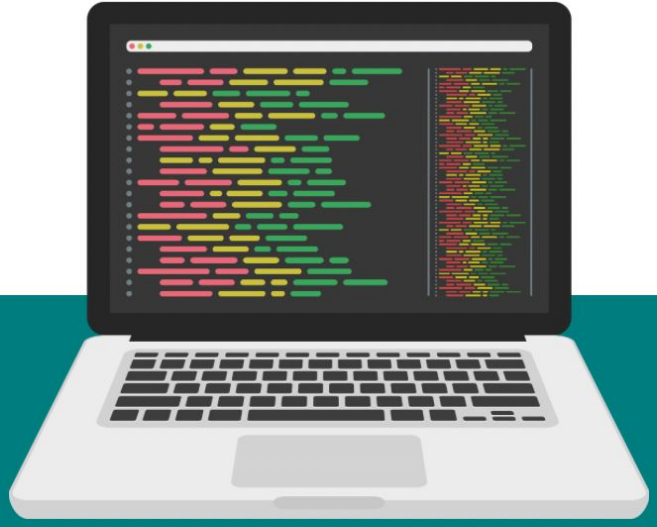

Register at womenwhocode.com/events

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MEET THE TEAM

Lisa Adams
General Volunteer
WWCode Python

Dilek
General Volunteer
WWCode Python

Amma
General Volunteer
WWCode Python

Soumya
Leadership Fellow
WWCode Python

Shrishti
Track Lead
WWCode Python

Our Speaker

Lisa Adams, General Volunteer

Lisa has a B.S. in Electrical Engineering Tech. and has been employed as a Hardware Technical Writer in the satellite communications industry for more than 25 years.

In her free time, she volunteers with a variety of tech organizations and likes to learn all about software, especially Python and APIs! She is also a Women Who Code DFW Evangelist.

[PCEP-30-02]
PCEP – Certified Entry-Level Python...
Python Institute

COLLIN COLLEGE

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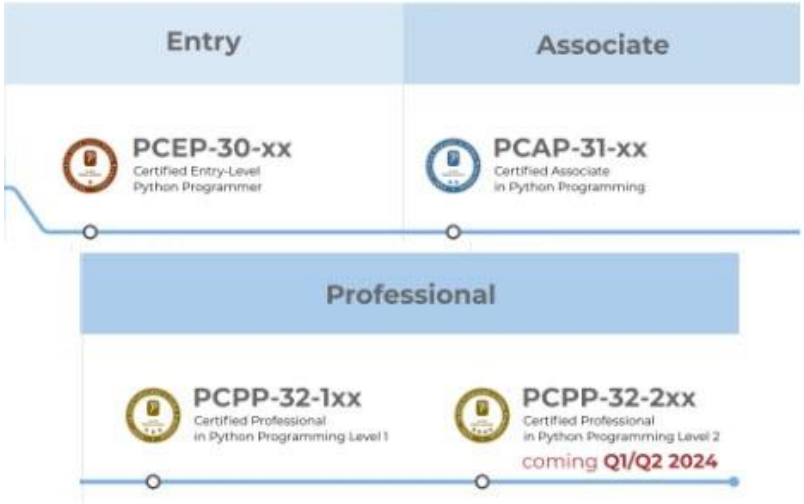
Agenda

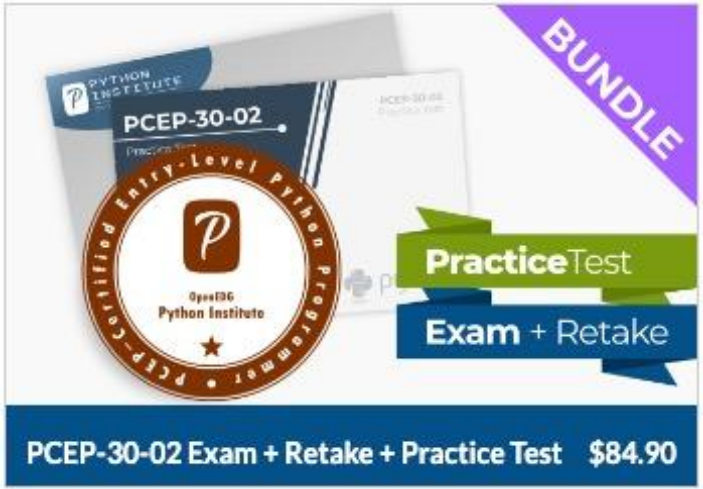
Week 1

- Study Group Overview
- Reference Materials
- Why Learn Python?
- About Python Institute
  - Signing up for the course
- Installing Python
- Python IDEs
- This Week’s Assignment
- QnA

Overview

Python Institute - https://pythoninstitute.org





Overview

Python Institute - https://pythoninstitute.org

Slack - #beginner-python-stdy-grp

1. **Module 1** (Week 2)
   Introduction to Python and Computer Programming
2. **Module 2** (Week 2 - 5)
   Data types, variables, basic input operations, and basic operators
3. **Module 3** (Week 6 - 10)
   Boolean values, conditional execution, loops, lists and list processing, logical and bitwise operations
4. **Module 4** (Week 11 - 13)
   Functions, tuples, dictionaries, exceptions, and data processing

[PCEP-30-02]
PCEP – Certified Entry-Level Python...
Python Institute

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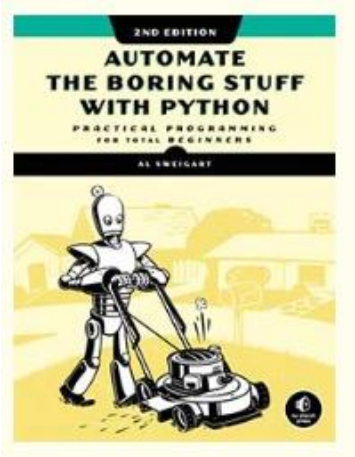
Reference Material



Automate the Boring Stuff
automatetheboringstuff.com

AI won't take your job, but a human who knows how to work with AI will!

Reference Material

PEP8 Standard Library

Describes the exact syntax and semantics of the Python language.

https://docs.python.org/3/library/index.html

Style Guide “Official”

This document gives coding conventions for the Python code comprising the standard library in the main Python distribution.

https://peps.python.org/pep-0008/

Style Guide “Easy to Read”

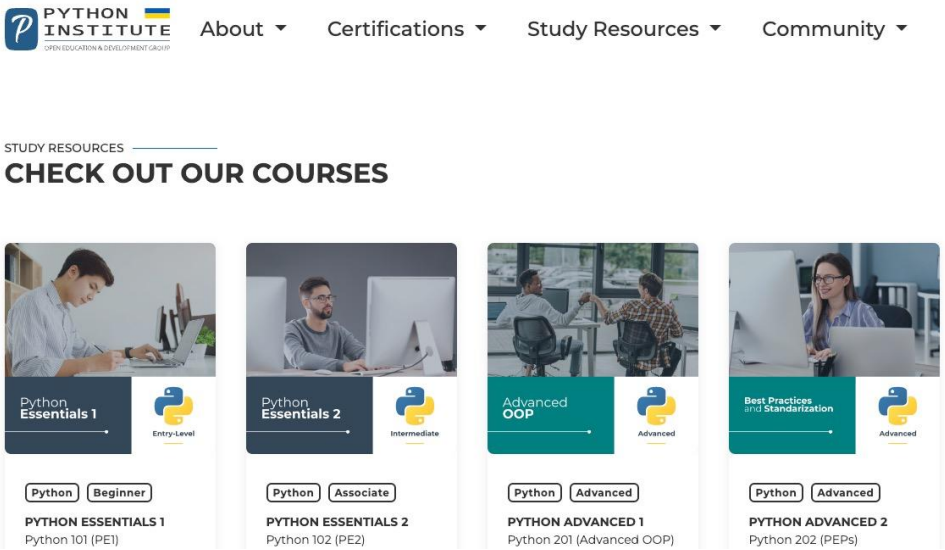
https://pep8.org

Why learn Python?

- **Versatile** (Web Dev, Data, ML, Scientific Computing)
- **Easiest Language to Learn** (straightforward syntax)
- **Large Active Community** (WWC-Python, Meetup Group, PyTexas)
- **Automation and Scripting**
- **Career Opportunities**
- **Testing**

Python Institute

Python Institute - https://pythoninstitute.org



Python Institute

Python Institute
https://pythoninstitute.org

PYTHON INSTITUTE

About | Certifications | Study Resources | Community

Dive into programming, learn Python from scratch, and prepare for the PCEP – Certified Entry-Level Python Programmer certification.

This introductory course gives you an opportunity to **dive into Python** and computer programming with **no specific prerequisites or prior knowledge** required. It will guide you from a state of complete programming illiteracy to a level of programming knowledge which will allow you to **design, write, debug, and run Python scripts**, and to understand the basic concepts of software development technology.

Having completed the course, you will be prepared to attempt the qualification PCEP – Certified Entry-Level Python Programmer certification, and to get your foot in the door to careers in **software development, data analysis, and testing**.

Key skills you will learn

Python Essentials – Part 1 (Basics)

Level: Beginner | **Length:** 6-7 weeks (Suggested: 6-7 hours/week) | **Language:** English, Spanish | **Cost:** Free

This course is the first in a 2-course series that will prepare you for the PCEP – Certified Entry-Level Python Programmer certification exam, and help you build the essential foundations for the PCAP – Certified Associate in Python Programming certification exam.

The main goal of the course is to guide you from a state of complete programming illiteracy to a level of programming knowledge which allows you to design, write, debug, and run programs encoded in the Python language, and to understand the basic concepts of software development technology.

The course will prepare you for jobs and careers connected with widely understood software development, which includes not only creating the code itself as a junior developer, but also computer systems design and software testing.

For more information about the course, click here: SIGN UP

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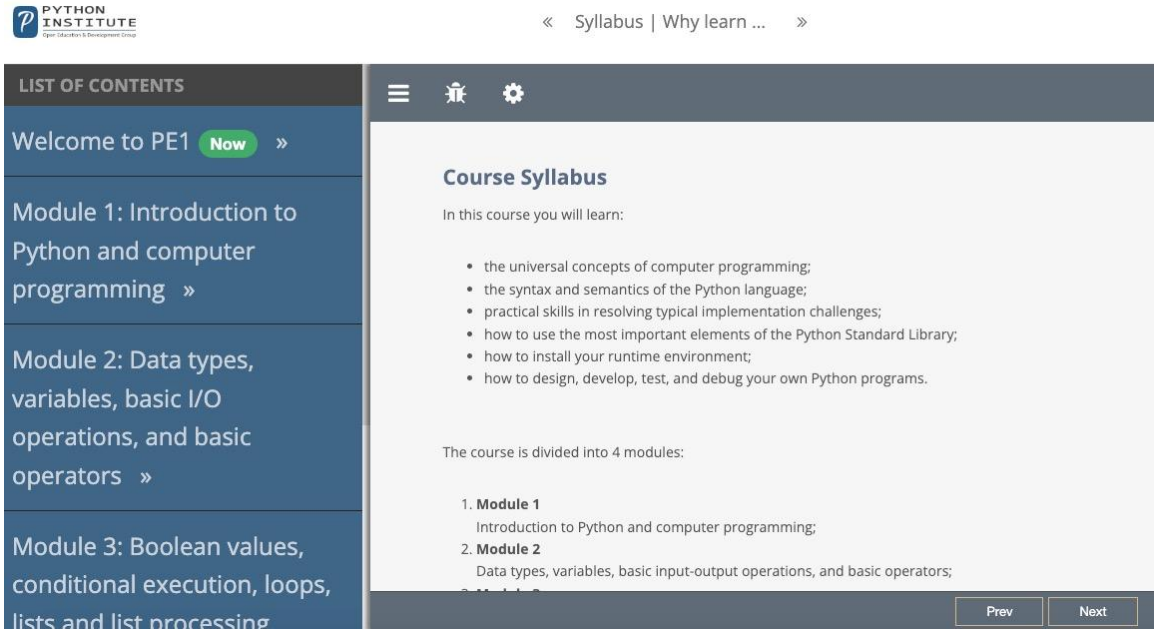
https://edube.org/study/pe1

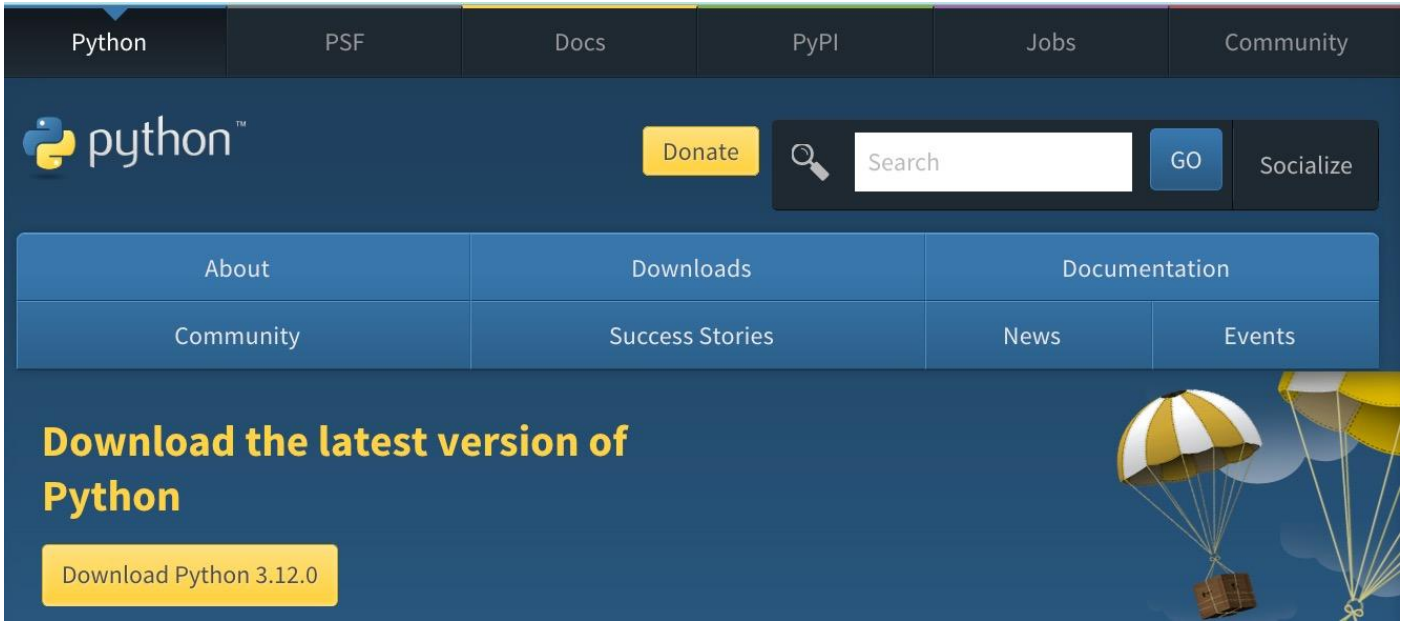


Python Institute

Python Institute - https://pythoninstitute.org

Install Python

https://www.python.org/downloads/



Install Python

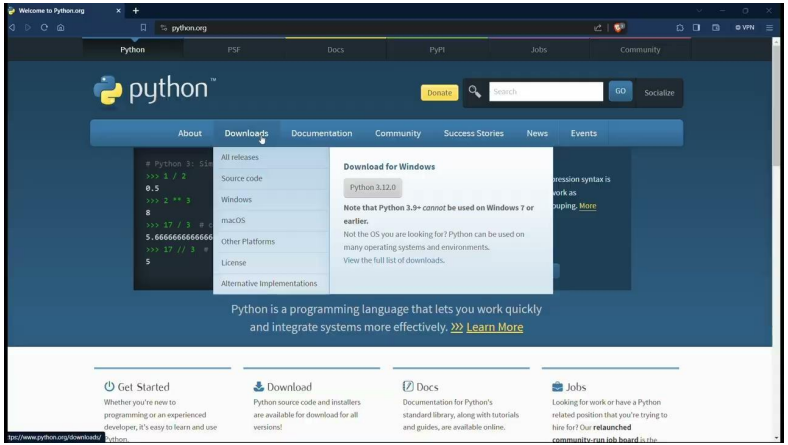
https://www.python.org/downloads

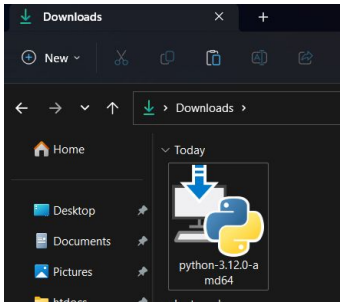
Windows (from Store)

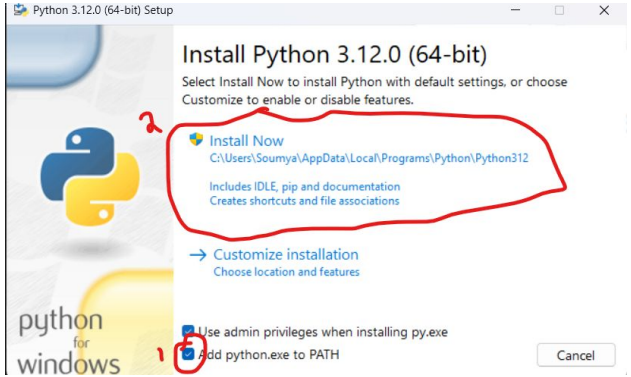
Install Python

https://www.python.org/downloads

Windows (from python.org)







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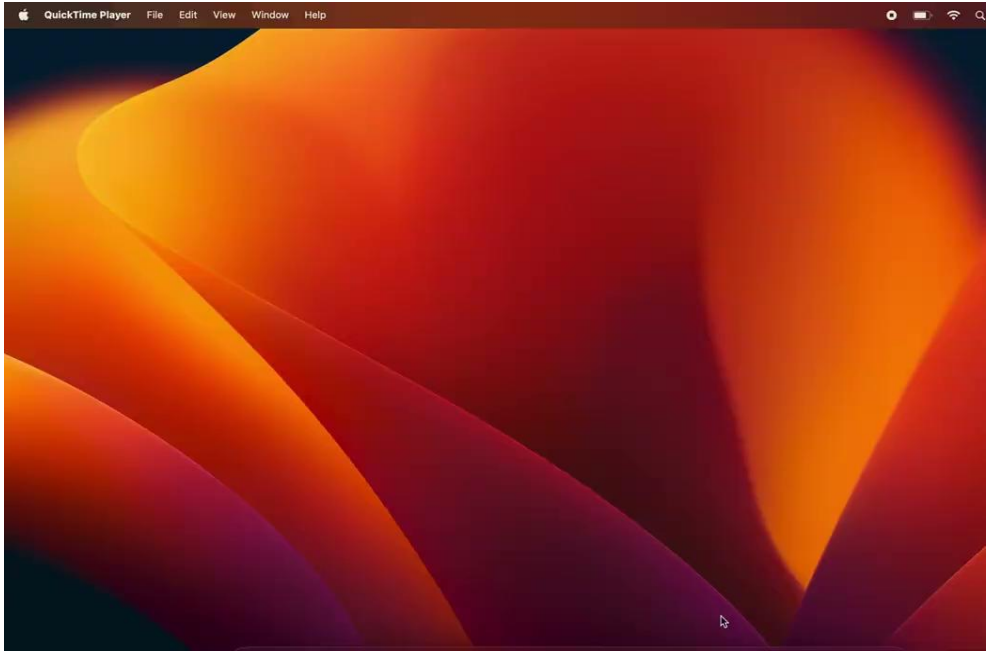
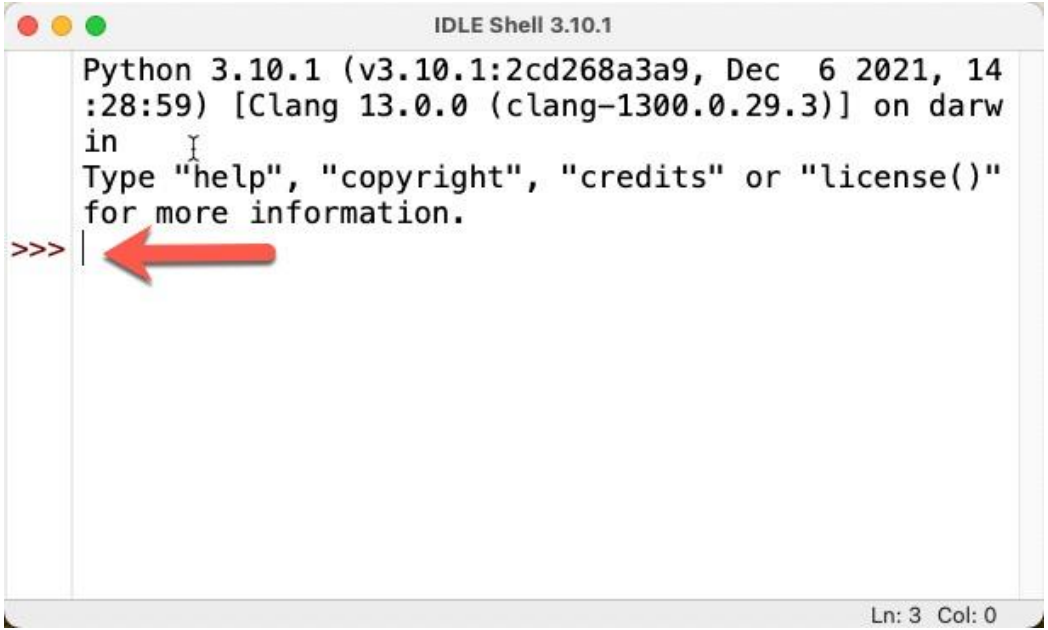
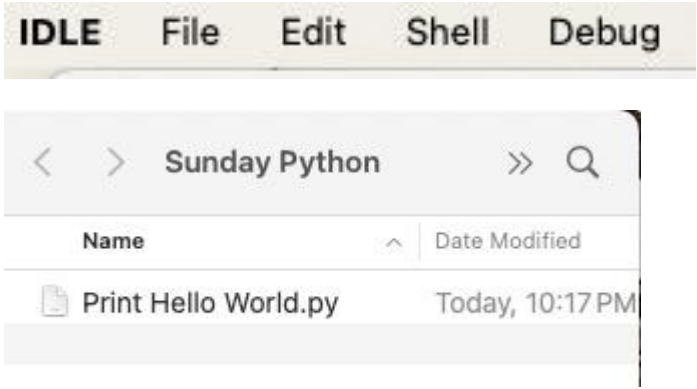


Python IDE


IDLE Shell 3.10.1
Python 3.10.1 (v3.10.1:2cd268a3a9, Dec 6 2021, 14
:28:59) [Clang 13.0.0 (clang-1300.0.29.3)] on darw
in
Type "help", "copyright", "credits" or "license()"
for more information.
>>>
Ln: 3 Col: 0


IDLE File Edit Shell Debug
Sunday Python
Name
Date Modified
Print Hello World.py
Today, 10:17 PM

Google Colab

Colab Link

This week's assignment

1. **Register at Python Institute**
2. **Register for Python Level 1 Course**
3. **Install Python IDE**
4. **Complete Module 1**
    a. Fundamentals for Computer Programming
    b. Difference between compilation & interpretation
    c. Basic information about Python
    d. Different types of interfaces

QnA

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/stay connected

Join Women Who Code Python on Slack

We'll answer your questions in the event's slack channel #beginner-python-stdy-grp

Find links to join our community and follow us:
beacons.ai/WWCodePython

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Thank You!

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