Intro to Python

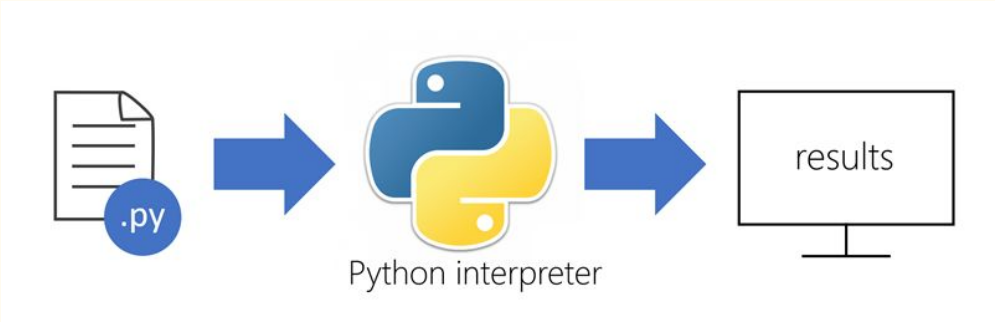
Day 1: Introduction

What is Python?

Python is an object-oriented programming language => Based around “classes” and “objects”

Python is high-level => Simple and easy to read

Python is interpreted => The code goes to the interpreter, which reads the code and then executes it



Python Reserved Words

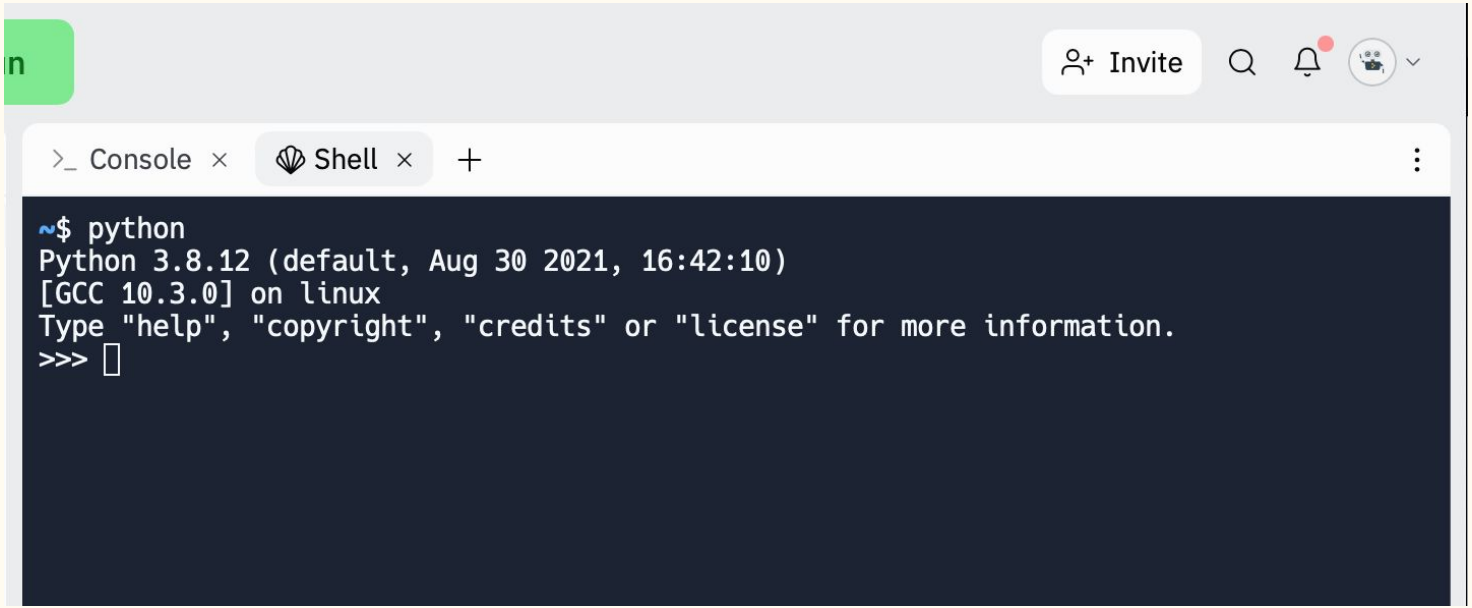
Have special meaning to Python.

Should not be used as a name for a variable.

and	as	assert	class	continue	def
del	elif	else	except	finally	for
from	global	if	import	in	is
lambda	nonlocal	not	or	pass	raise
return	try	while	with	yield	

Let’s write some Python code

- Open your Replit
- Type *python* on the shell and the Python interpreter will start to work



Let’s write some Python code

The print() function prints the specified message to the screen. Let’s try:

>>> print('Hello world!')

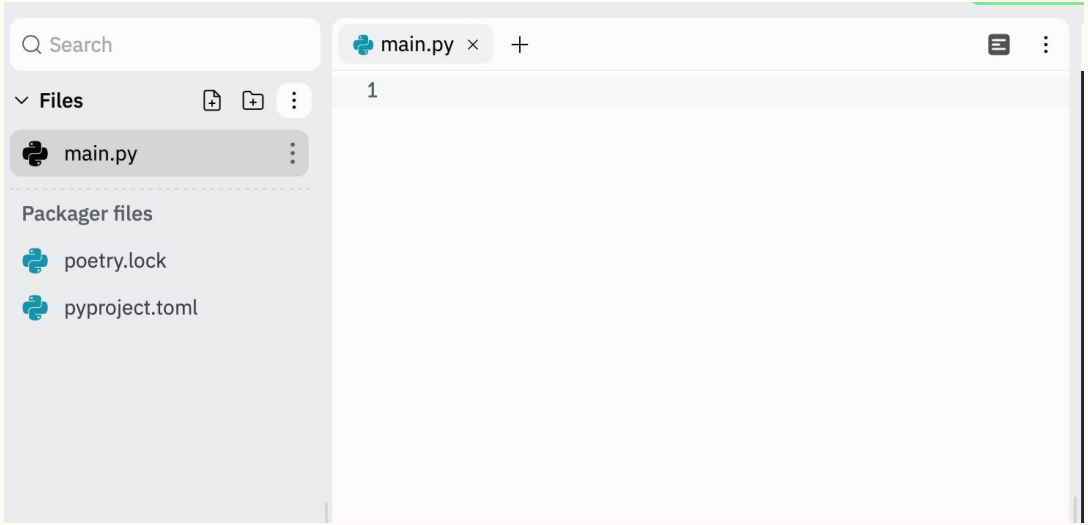
Hello world!

Tasks:

- Try to print other messages
- How do you print a number?

Writing a program

On your Replit create a file *main.py*. It will contain your Python code. This file is called **script**.



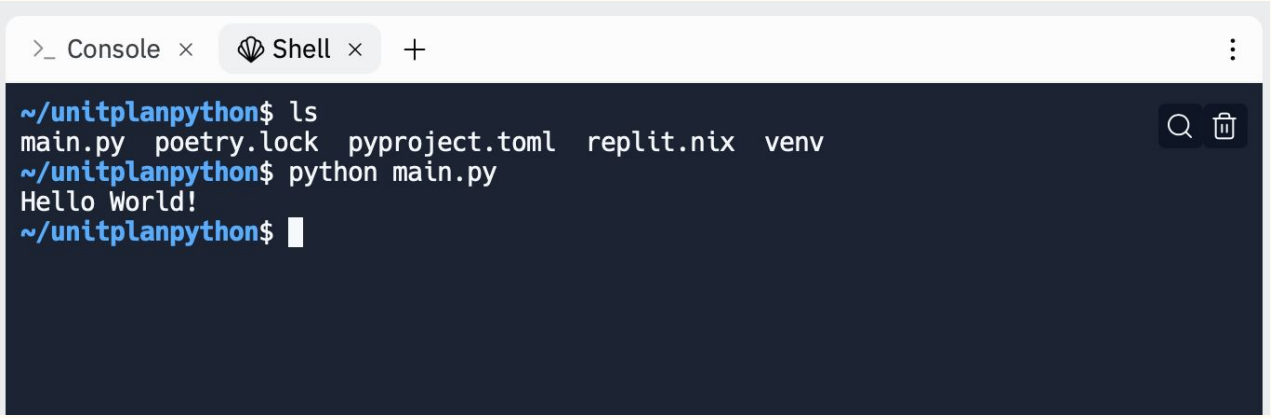
NOTE: Python scripts always have .py as extension.

Writing a program

Let’s write in your script the code that prints our traditional Hello World! by typing it inside print() function.

Running your script

- Go to the shell in Replit
- Type python main.py (make sure you are in the directory where the script is located)
- Your program will be executed and you will see the result in the shell



- Add more lines of code using the function print()
- Then, run your script from the shell again

INDIVIDUAL ACTIVITY

1. WORK ON YOUR “00 LAB - INTRODUCTION”
2. COMPLETE YOUR DAILY LOG PROGRAMMING