

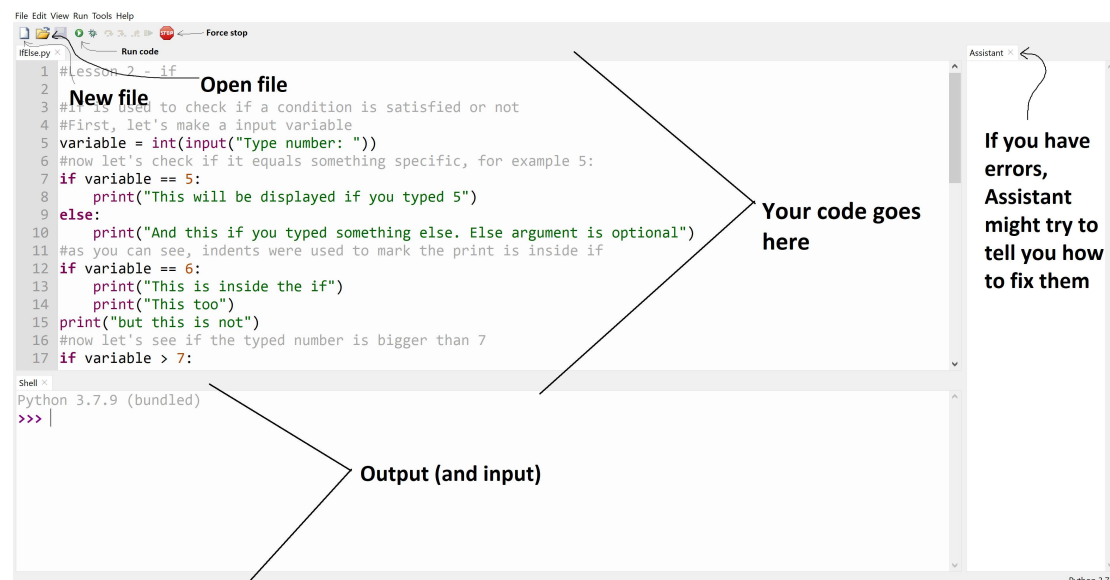
# Hello!

## Welcome to my quick Python course!

It consists of 8 commented Python scripts, understanding of which should help you learn Python (3.7 and newer). Python file extension is .py. But first - download Thonny IDE - it's best for beginners and comes with everything needed to start:

<https://thonny.org/>

Thonny IDE:



Thonny IDE website:

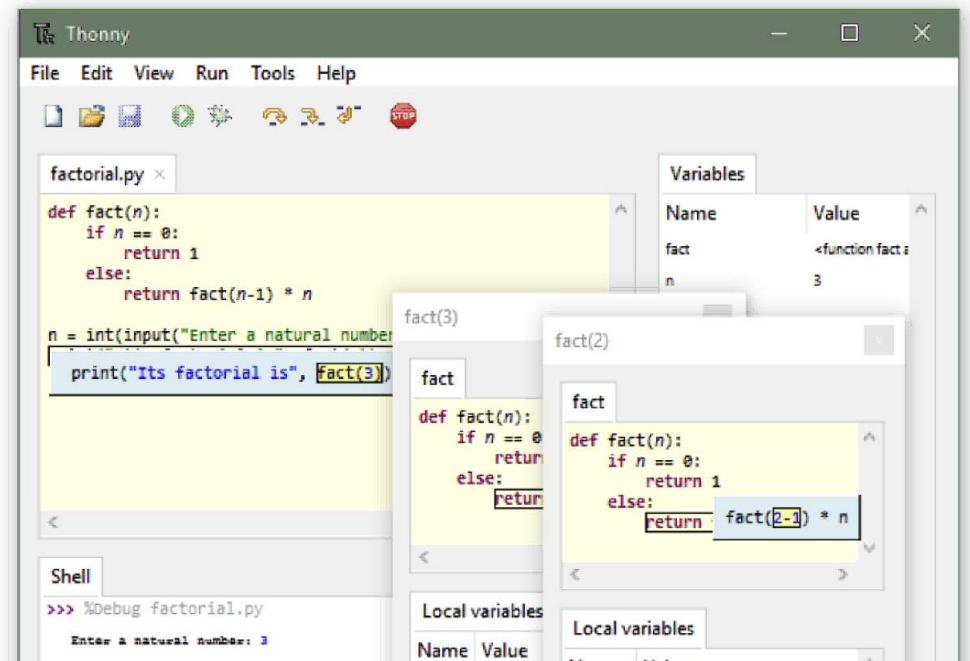
# Thonny

Python IDE for beginners



Download version **3.3.13** for  
[Windows](#) • [Mac](#) • [Linux](#)

For the curious: [4.0.0b3](#)



When you download Thonny, simply open programs from lesson 1 to lesson 7. There is also a bonus lesson. The code is commented explaining how the code works. Run it to see results yourself. Feel free to modify code and see how it works.

But what is Python? Python is a simple programming language used for scripting. Unlike for example C++ which gets compiled to machine code and then runs directly on CPU, Python code is read and executed by a program called Python Interpreter. The Interpreter reads code and executes it line by line. Thanks to that Python scripts run on everything on which Python Interpreter does, no matter of type of device or operating system.

Python can be used for everything thanks to lots of modules available (more in Lesson 4). It's mostly used for artificial intelligence, machine learning, working with databases, and overall automation.

Python scripts can be "compiled" to EXE files using module called PyInstaller - you can read more about that online.

Feel free to share the ZIP with this course with others and use the Python programs in it however you want. Please only attribute me as creator of this course. Thank you!

Good luck and have fun!

- Wojtekb30, Bird Technologies

<https://birdtech.weebly.com/>

BTW if you needed help, had questions or just wanted to talk - feel free to write to me - contact is on my website linked above.

Written and tested on Windows 10 in 28.05.2022. Disclaimer: I don't take any responsibility for damage or other bad things caused by usage of Python scripts from this course, especially if they were modified. But don't worry - they're safe, at least my original versions of the programs are.

## More data:

**+ addition**  
**- subtraction**  
**\* multiplication**  
**/ division**  
**% rest of division**  
**(for example 4%3 returns 1, and 4%2=0)**

Math operations:

Index numbers of letters in string:

Hello  
0 1 2 3 4  
-5 -4 -3 -2 -1

Thonny IDE package (module) manager:

number (a): '))

