Manual to run the Python code

Olatz Perez de Viñaspre Garralda
Ander Soraluze Irureta

Operating System

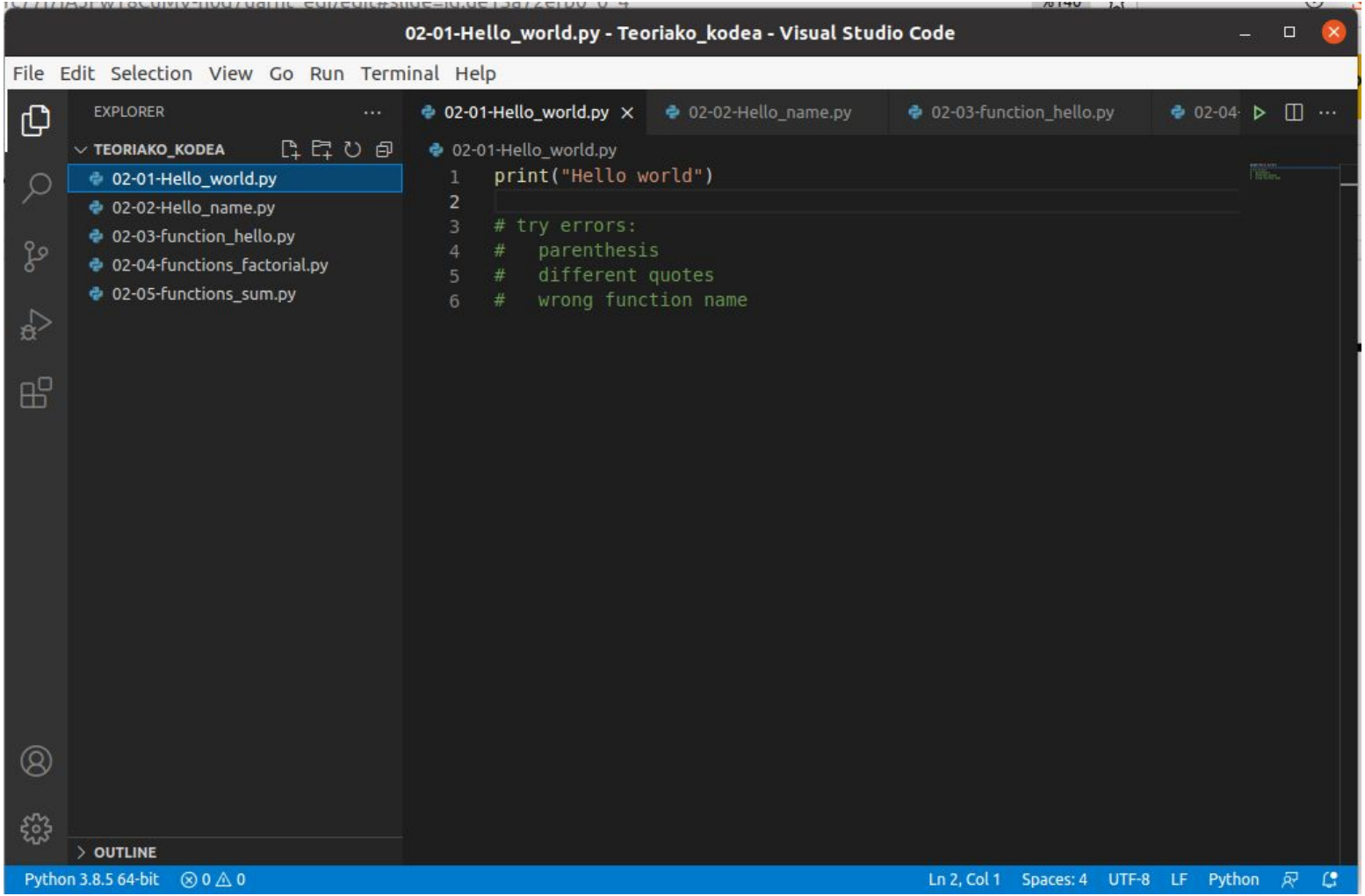
We recommend you to install Ubuntu (or other Linux distribution) in your computer:

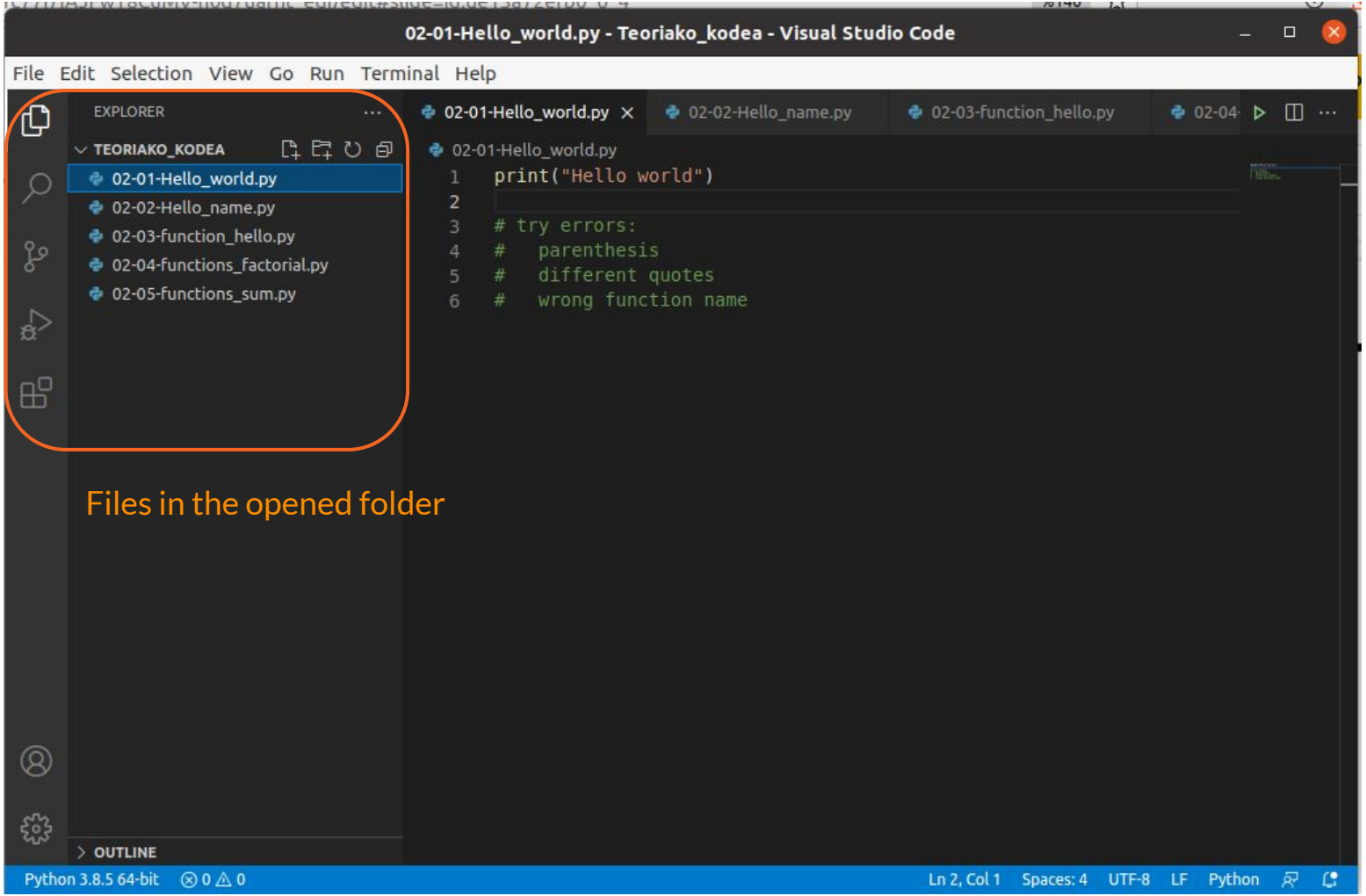
- In a new partition
- In a virtual machine (VMware, VirtualBox,...)

Plenty tutorials on the Internet

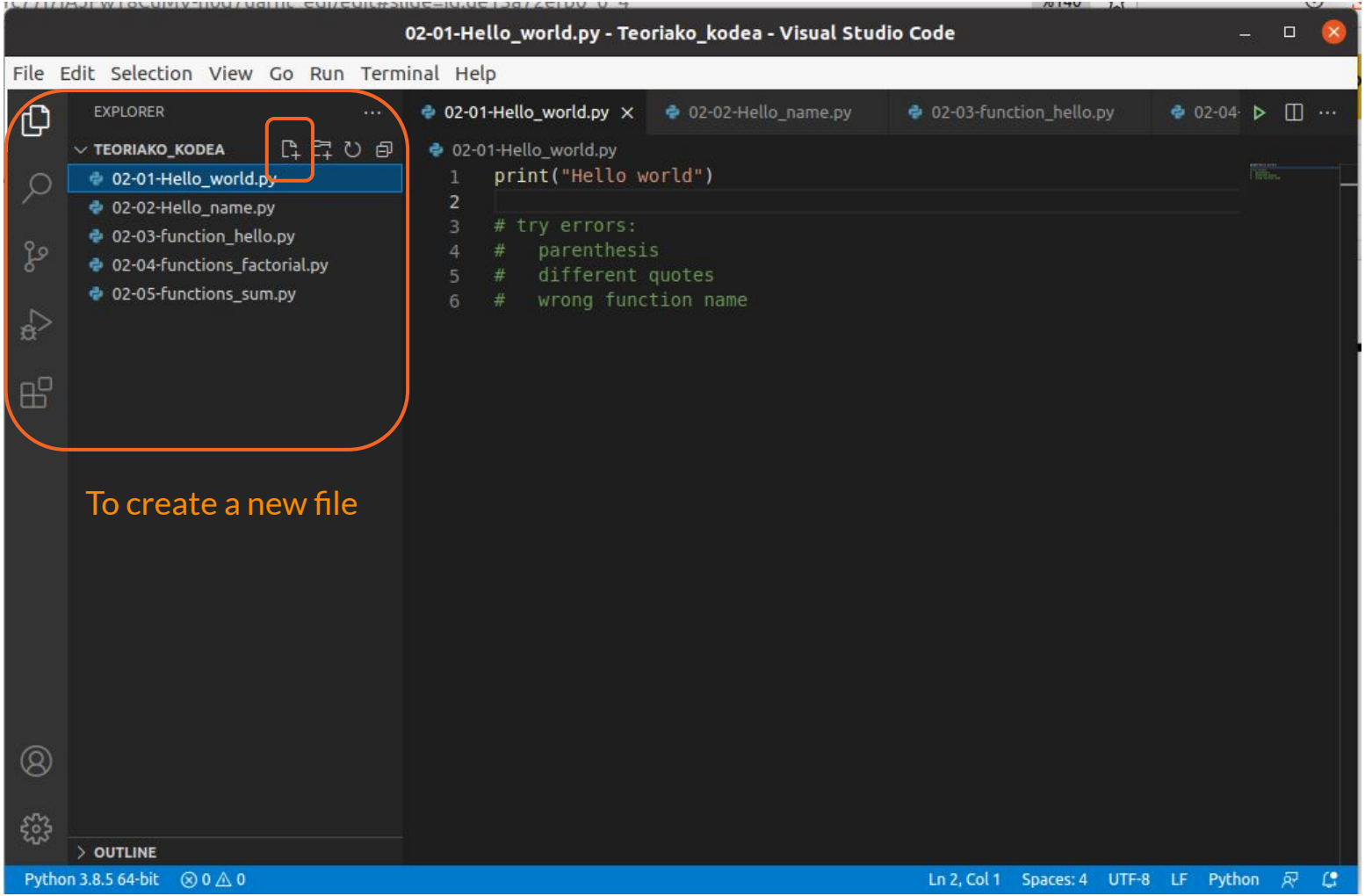
Environment (IDE)

You can use the IDE of your choice. The lecturers will be using **Visual Studio Code** (installed in the classroom's machines)

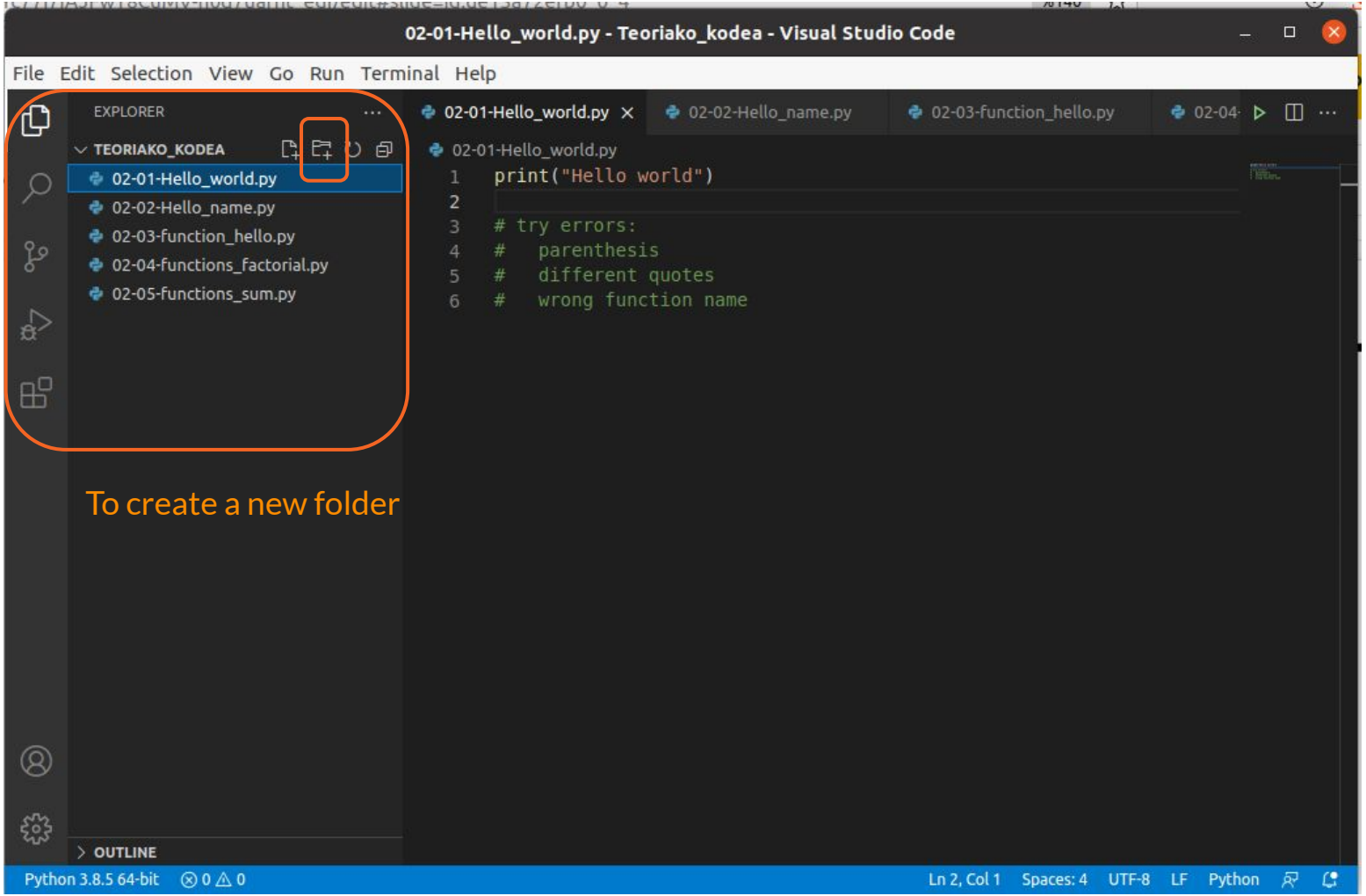

02-01-Hello_world.py - Teoriako_kodea - Visual Studio Code
File Edit Selection View Go Run Terminal Help
EXPLORER
TEORIAKO_KODEA
02-01-Hello_world.py
02-02-Hello_name.py
02-03-function_hello.py
02-04-functions_factorial.py
02-05-functions_sum.py
02-01-Hello_world.py
02-02-Hello_name.py
02-03-function_hello.py
print("Hello world")
# try errors:
# parenthesis
# different quotes
# wrong function name
OUTLINE
Python 3.8.5 64-bit
Ln 2, Col 1
Spaces: 4
UTF-8
LF
Python



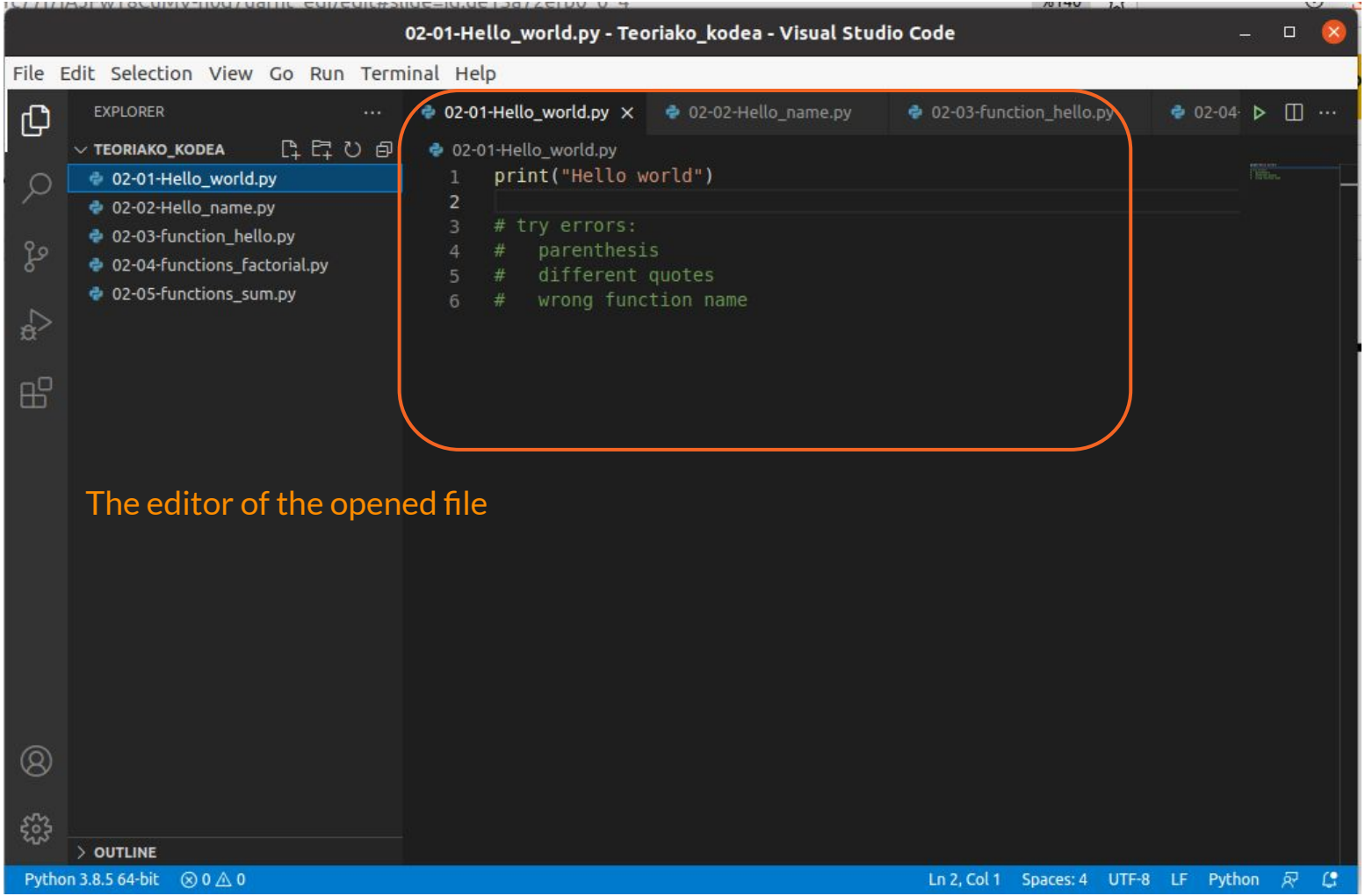
Files in the opened folder



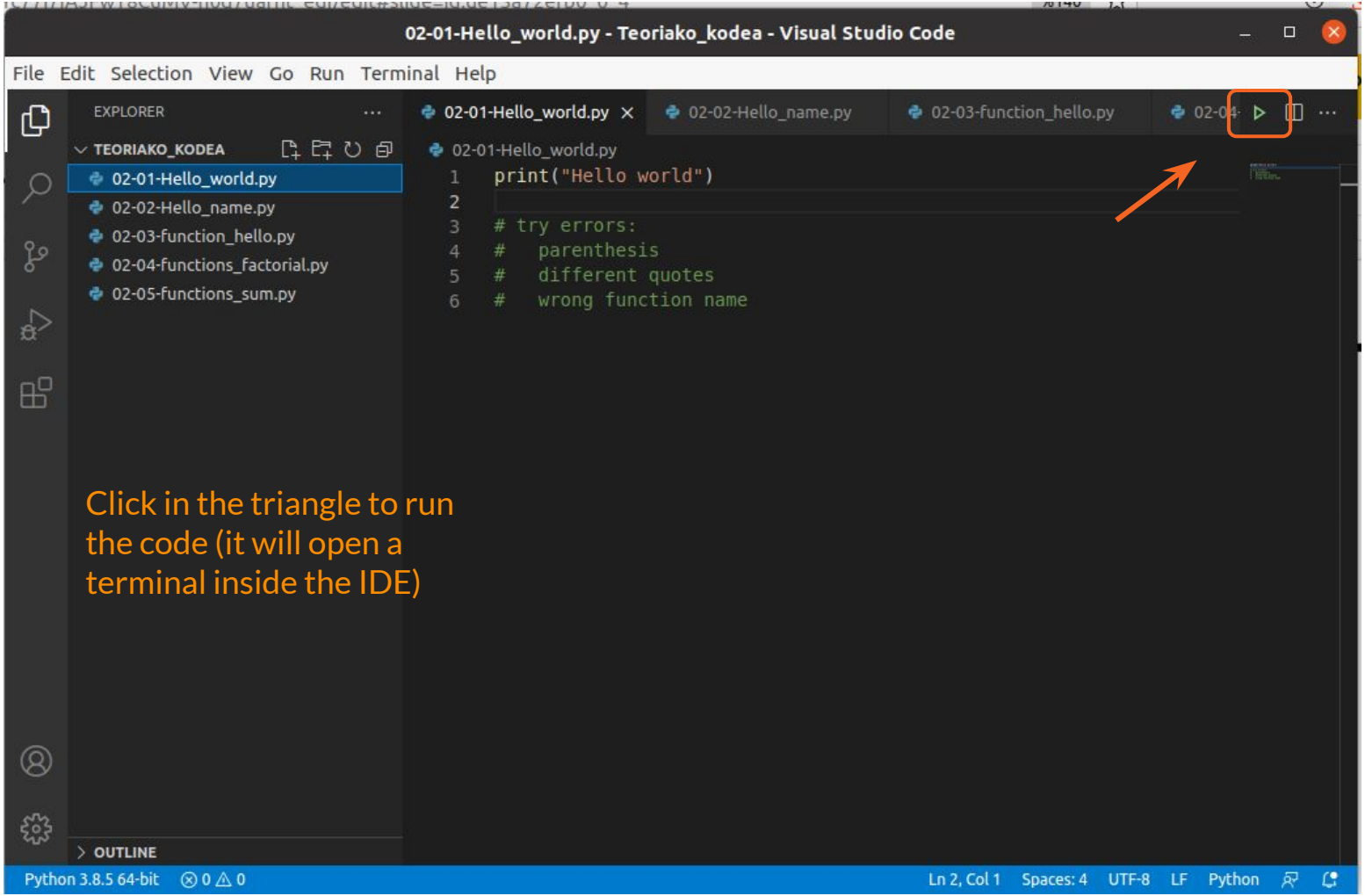
To create a new file



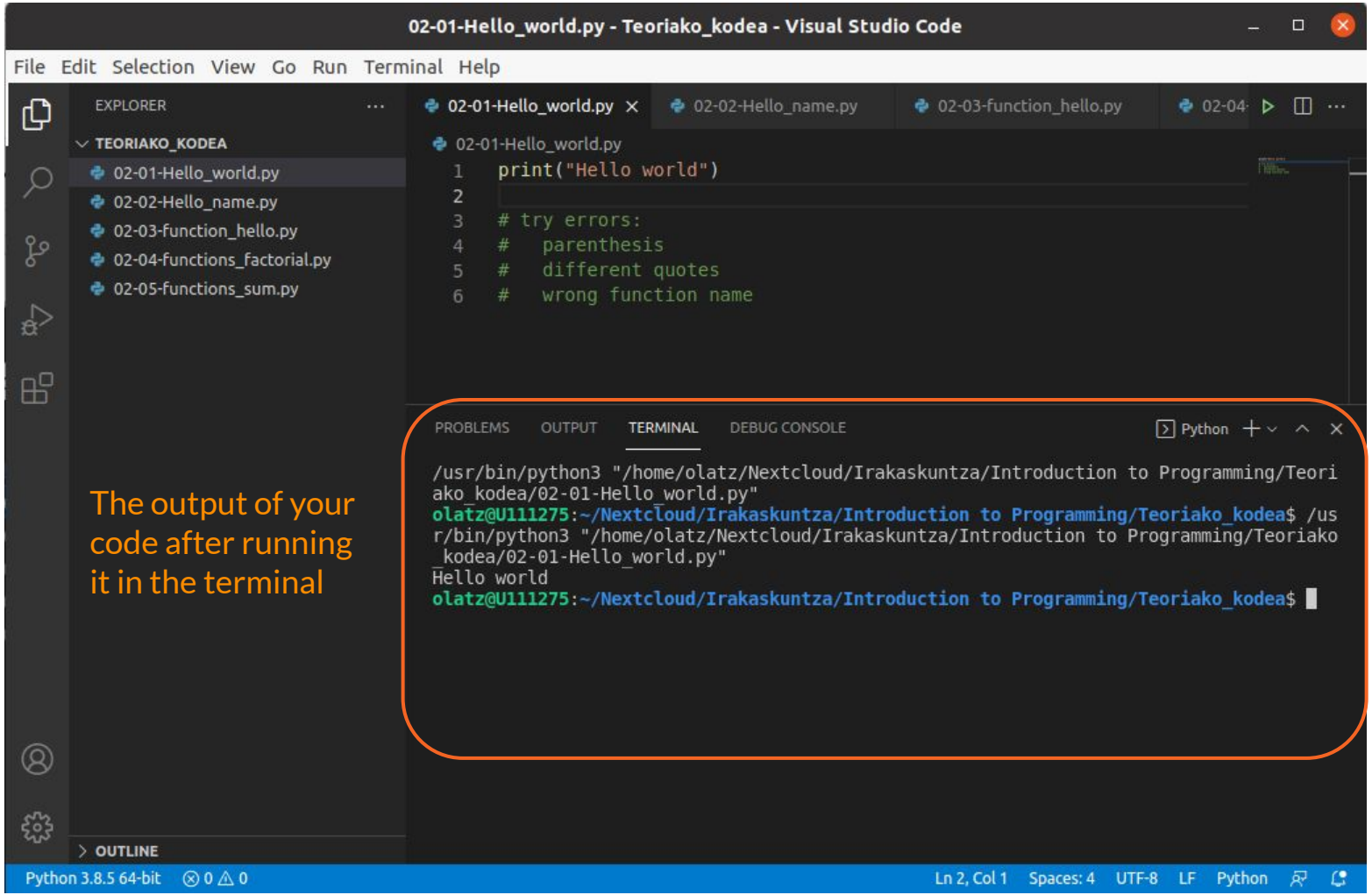
To create a new folder



The editor of the opened file

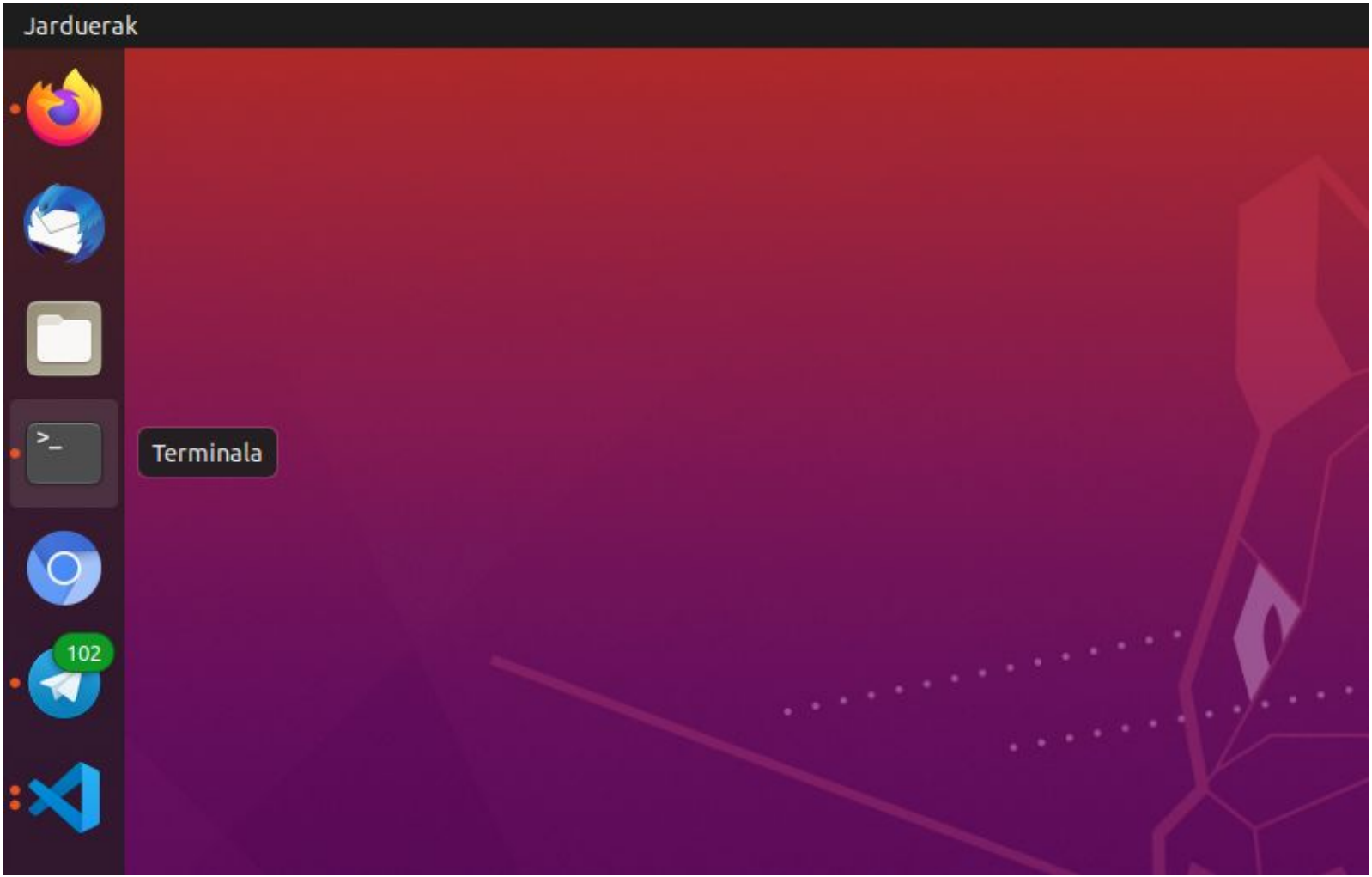


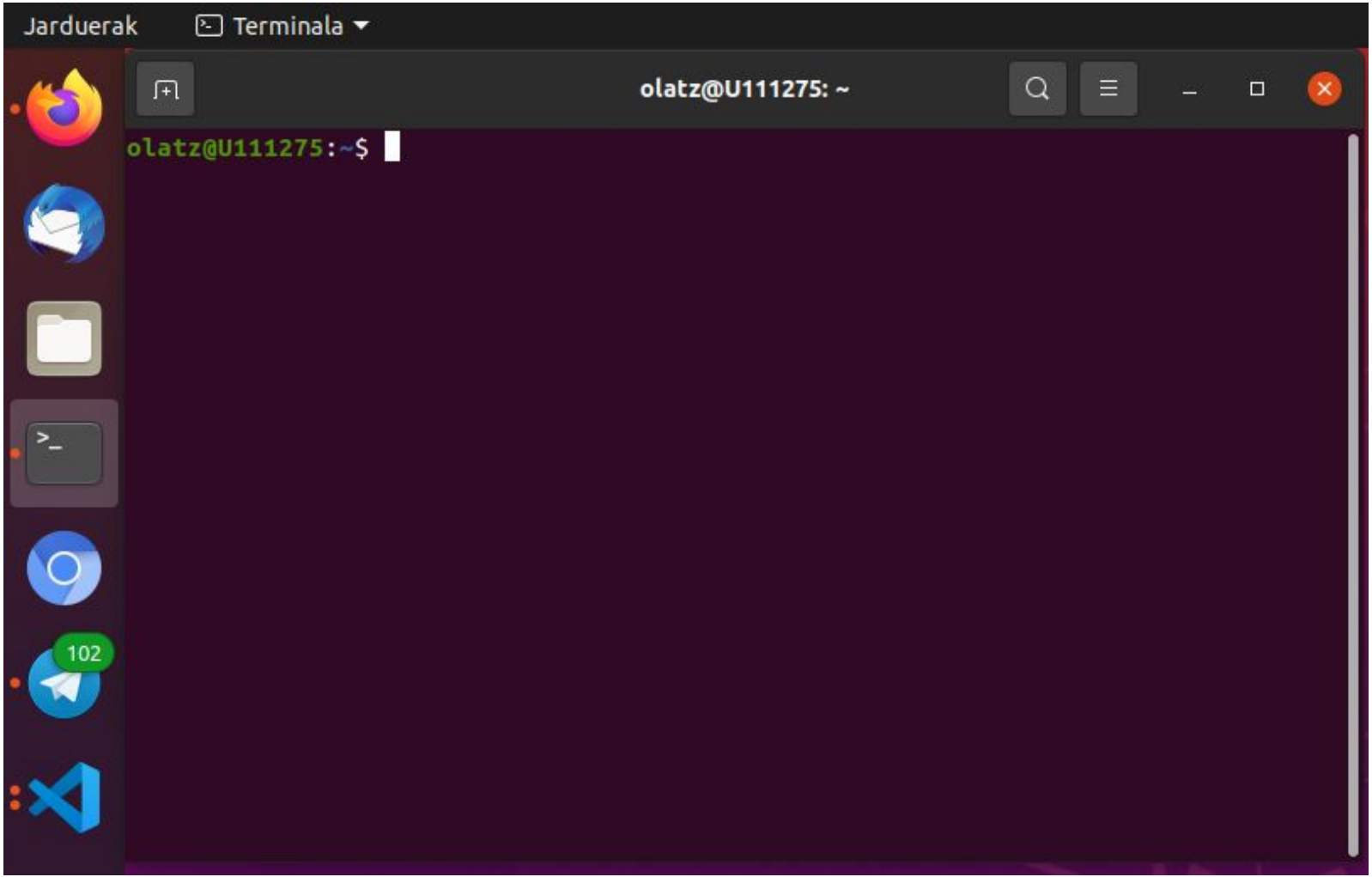
Click in the triangle to run the code (it will open a terminal inside the IDE)

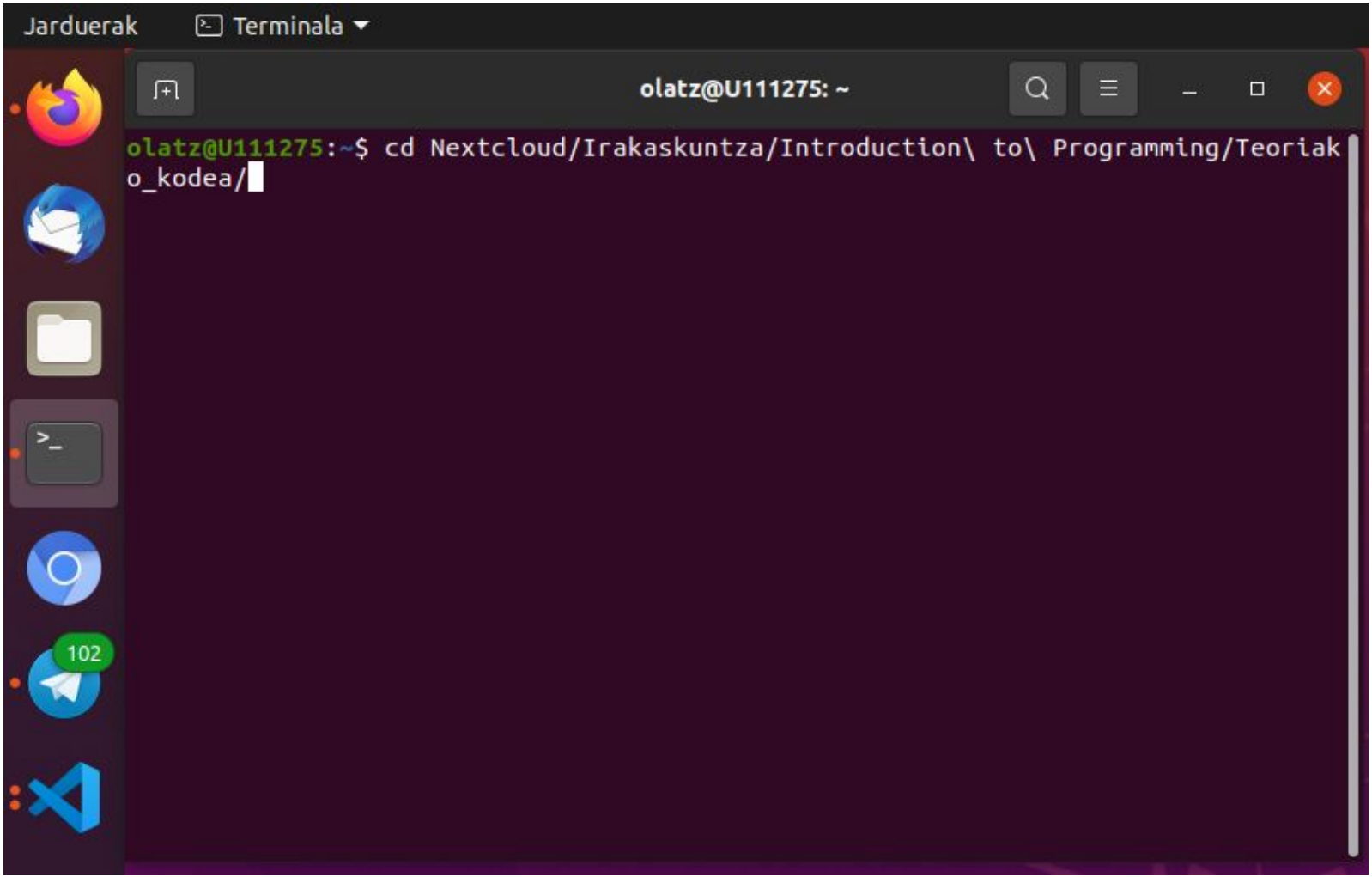


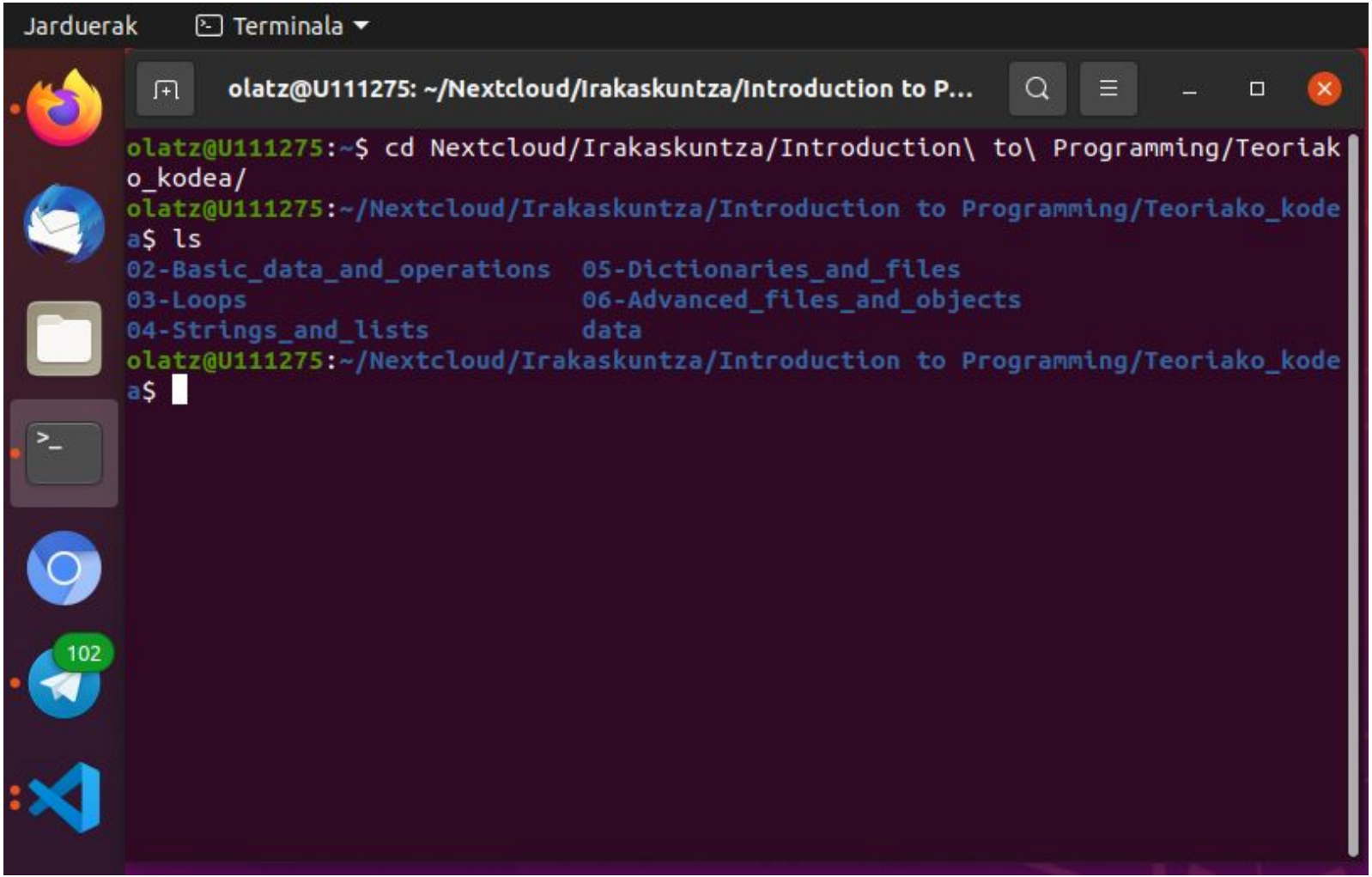
The output of your code after running it in the terminal

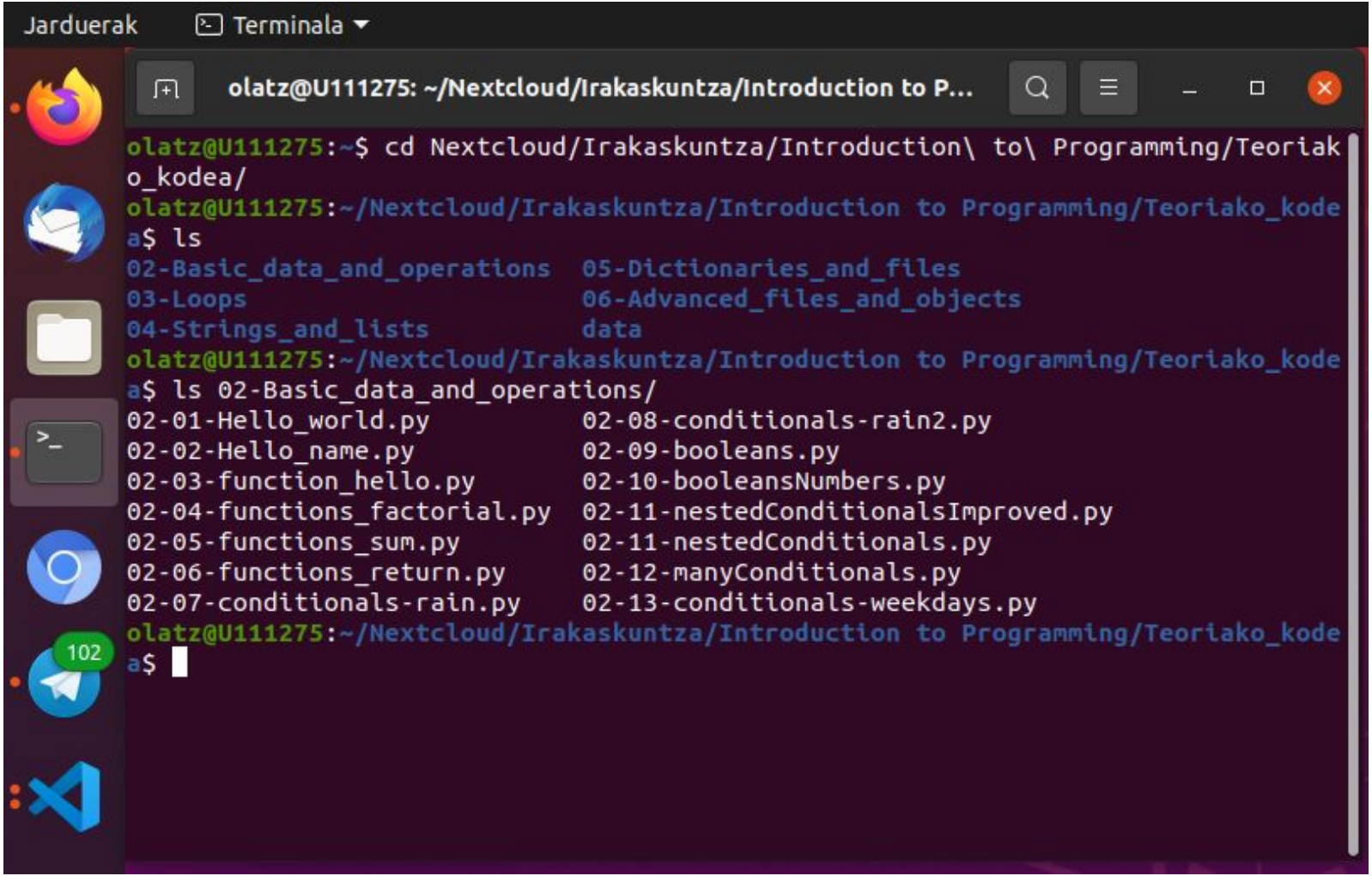
Running the code in an ordinary terminal (Linux)


Jarduerak
Terminala
102


Jarduerak
Terminala
olatz@U111275: ~
olatz@U111275:~$
102


Jarduerak
Terminala
olatz@U111275: ~
olatz@U111275:~$ cd Nextcloud/Irakaskuntza/Introduction\ to\ Programming/Teoriako_kodea/
102


Jarduerak
Terminala
olatz@U111275: ~/Nextcloud/Irakaskuntza/Introduction to P...
olatz@U111275:~$ cd Nextcloud/Irakaskuntza/Introduction\ to\ Programming/Teoriako_kodea/
olatz@U111275:~/Nextcloud/Irakaskuntza/Introduction to Programming/Teoriako_kodea$ ls
02-Basic_data_and_operations
03-Loops
04-Strings_and_lists
05-Dictionaries_and_files
06-Advanced_files_and_objects
data
olatz@U111275:~/Nextcloud/Irakaskuntza/Introduction to Programming/Teoriako_kodea$
102


Jarduerak
Terminala
olatz@U111275: ~/Nextcloud/Irakaskuntza/Introduction to P...
olatz@U111275:~$ cd Nextcloud/Irakaskuntza/Introduction\ to\ Programming/Teoriako_kodea/
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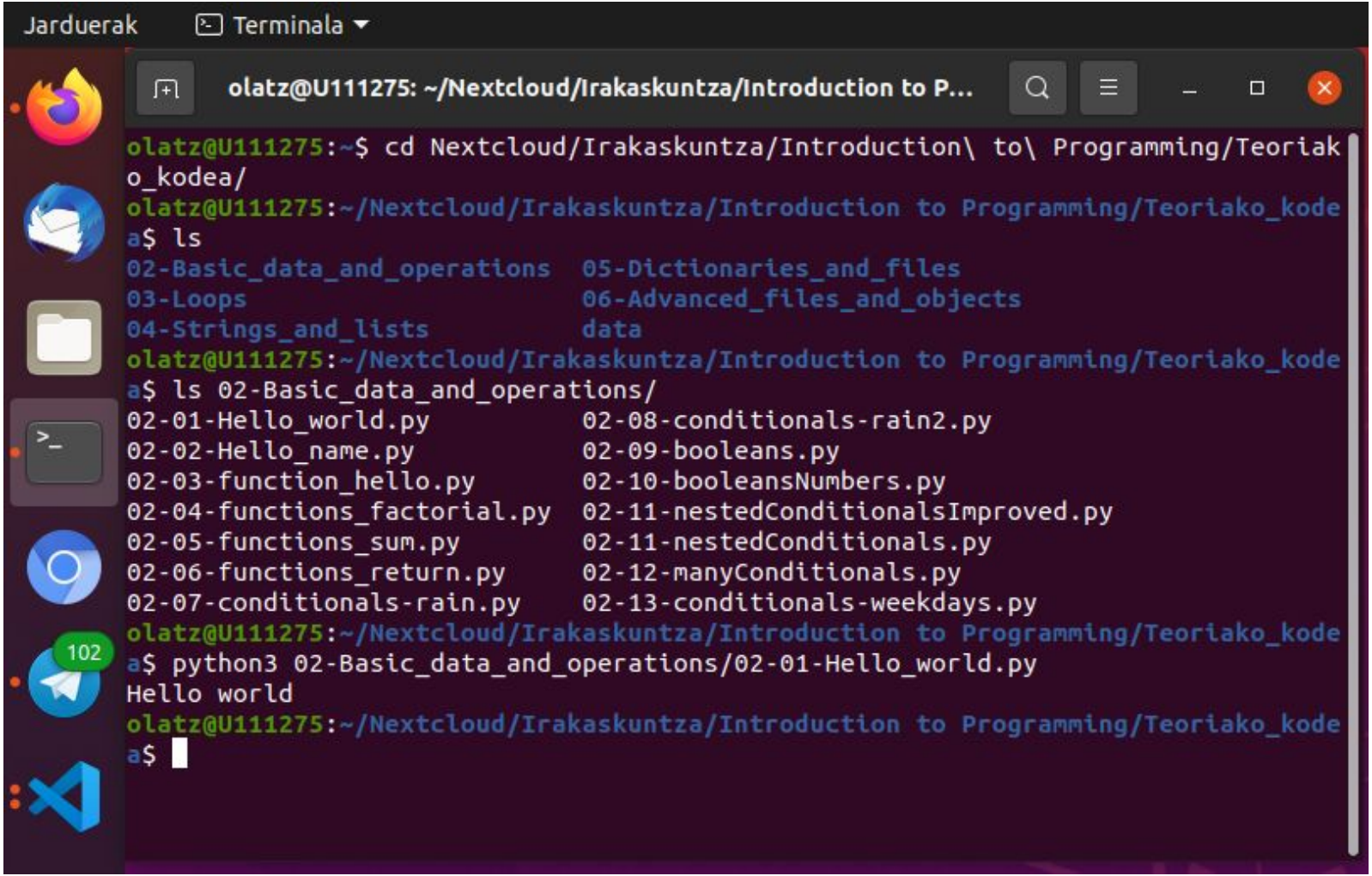
02-Basic_data_and_operations
03-Loops
04-Strings_and_lists
05-Dictionaries_and_files
06-Advanced_files_and_objects
data
olatz@U111275:~/Nextcloud/Irakaskuntza/Introduction to Programming/Teoriako_kodea$ ls 02-Basic_data_and_operations/
02-01-Hello_world.py
02-02-Hello_name.py
02-03-function_hello.py
02-04-functions_factorial.py
02-05-functions_sum.py
02-06-functions_return.py
02-07-conditionals-rain.py
02-08-conditionals-rain2.py
02-09-booleans.py
02-10-booleansNumbers.py
02-11-nestedConditionalsImproved.py
02-11-nestedConditionals.py
02-12-manyConditionals.py
02-13-conditionals-weekdays.py
olatz@U111275:~/Nextcloud/Irakaskuntza/Introduction to Programming/Teoriako_kodea$
102


Jarduerak
Terminala
olatz@U111275: ~/Nextcloud/Irakaskuntza/Introduction to P...
olatz@U111275:~$ cd Nextcloud/Irakaskuntza/Introduction\ to\ Programming/Teoriako_kodea/
olatz@U111275:~/Nextcloud/Irakaskuntza/Introduction to Programming/Teoriako_kodea$ ls
02-Basic_data_and_operations 05-Dictionaries_and_files
03-Loops 06-Advanced_files_and_objects
04-Strings_and_lists data
olatz@U111275:~/Nextcloud/Irakaskuntza/Introduction to Programming/Teoriako_kodea$ ls 02-Basic_data_and_operations/
02-01-Hello_world.py 02-08-conditionals-rain2.py
02-02-Hello_name.py 02-09-booleans.py
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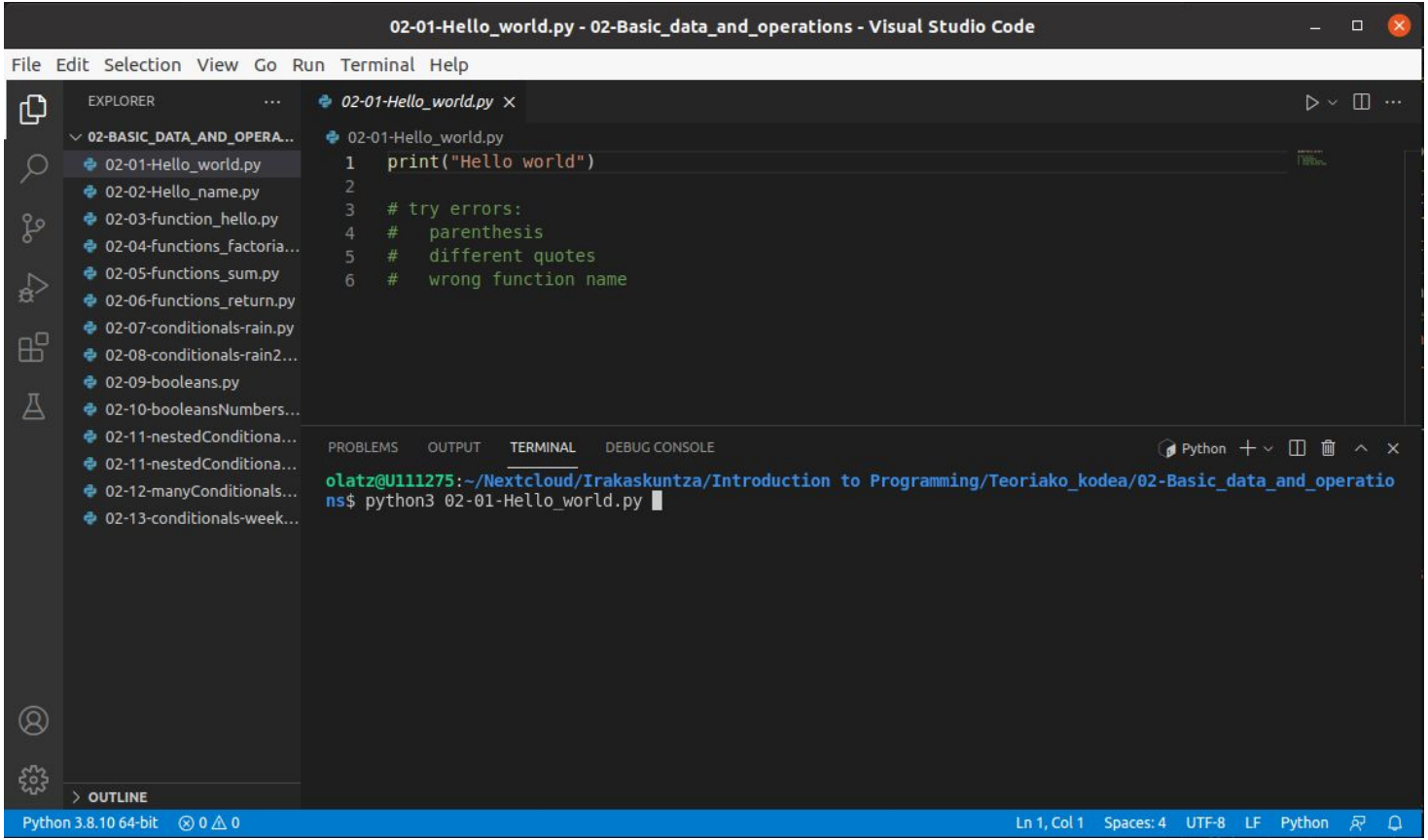
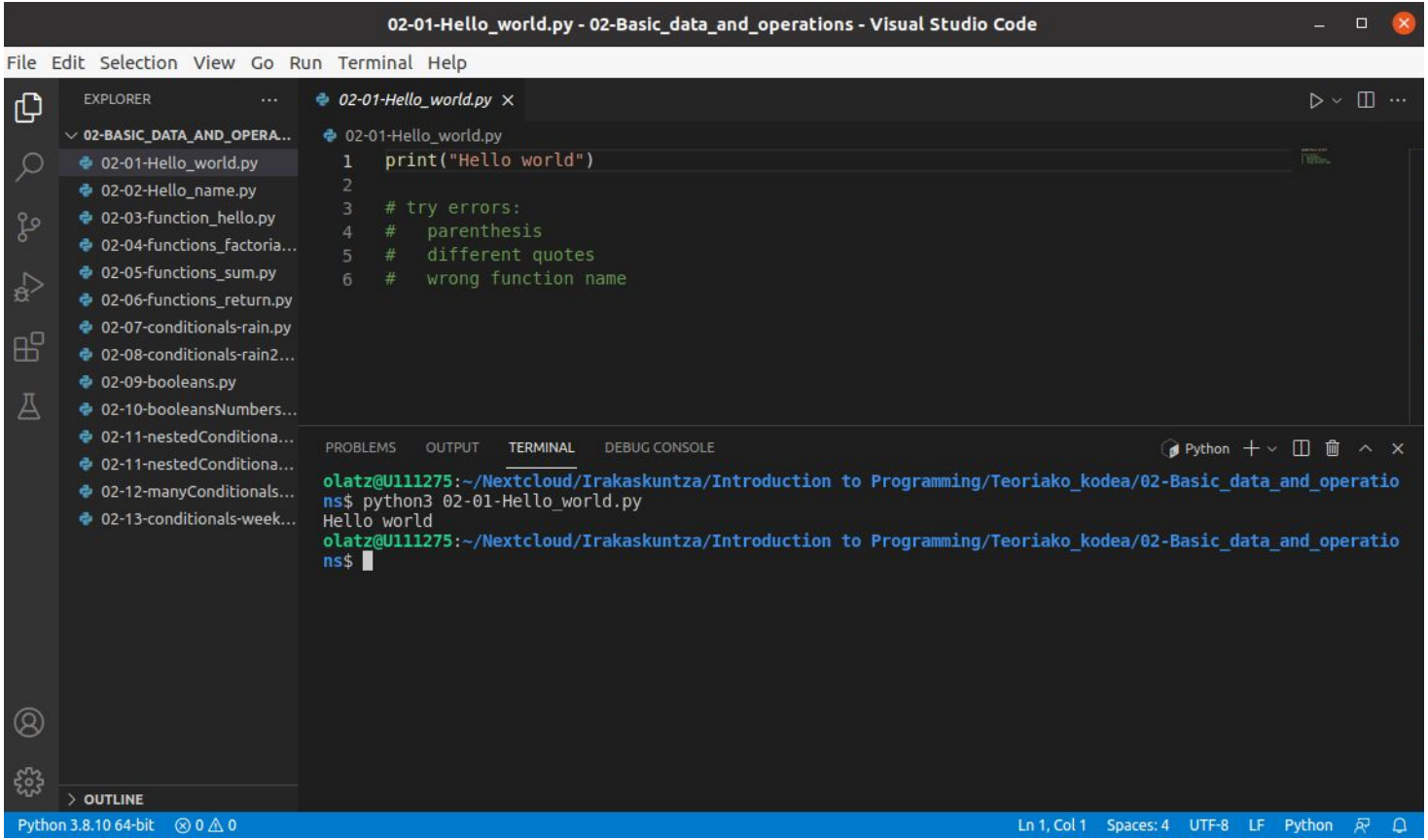
02-06-functions_return.py 02-12-manyConditionals.py
02-07-conditionals-rain.py 02-13-conditionals-weekdays.py
olatz@U111275:~/Nextcloud/Irakaskuntza/Introduction to Programming/Teoriako_kodea$ python3 02-Basic_data_and_operations/02-01-Hello_world.py
Hello world
olatz@U111275:~/Nextcloud/Irakaskuntza/Introduction to Programming/Teoriako_kodea$
102

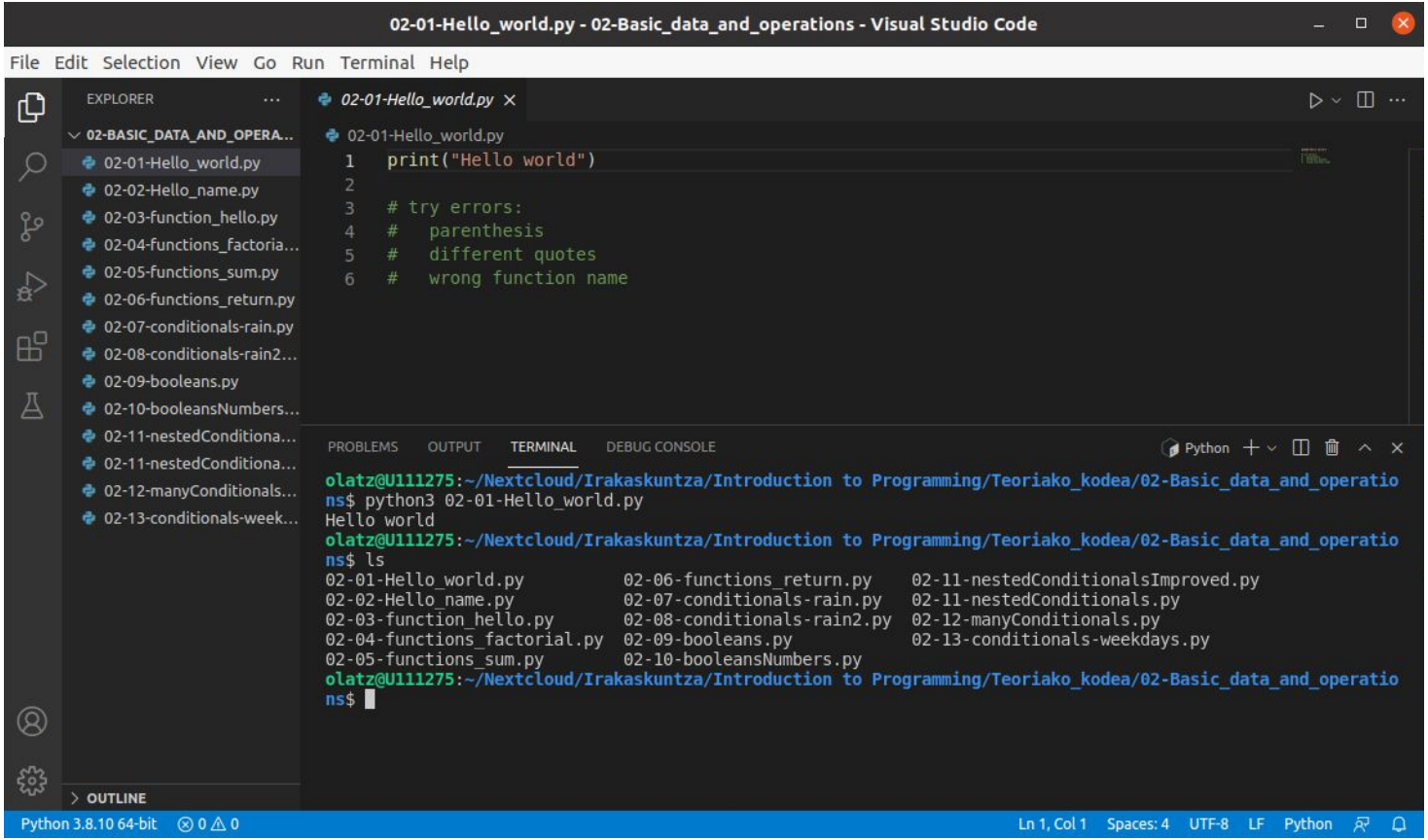
Ordinary terminal == VSC terminal



Ordinary terminal == VSC terminal



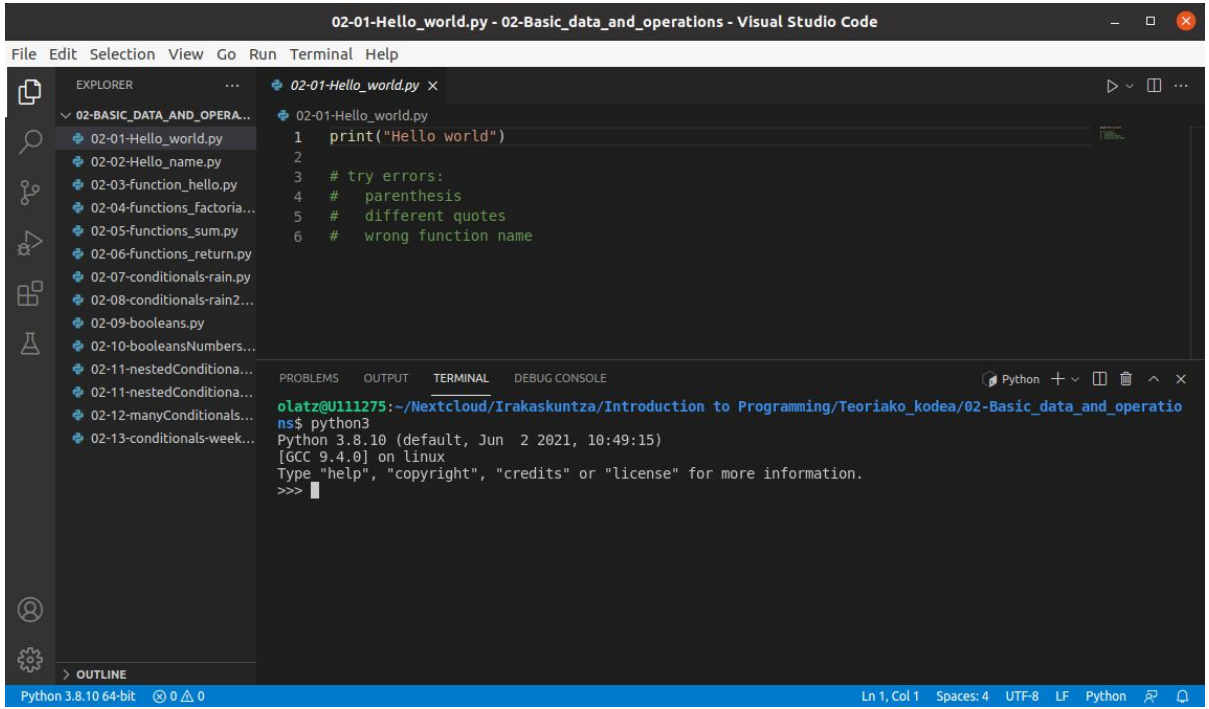
Ordinary terminal == VSC terminal



Using the terminal to check python pieces of code

Check code

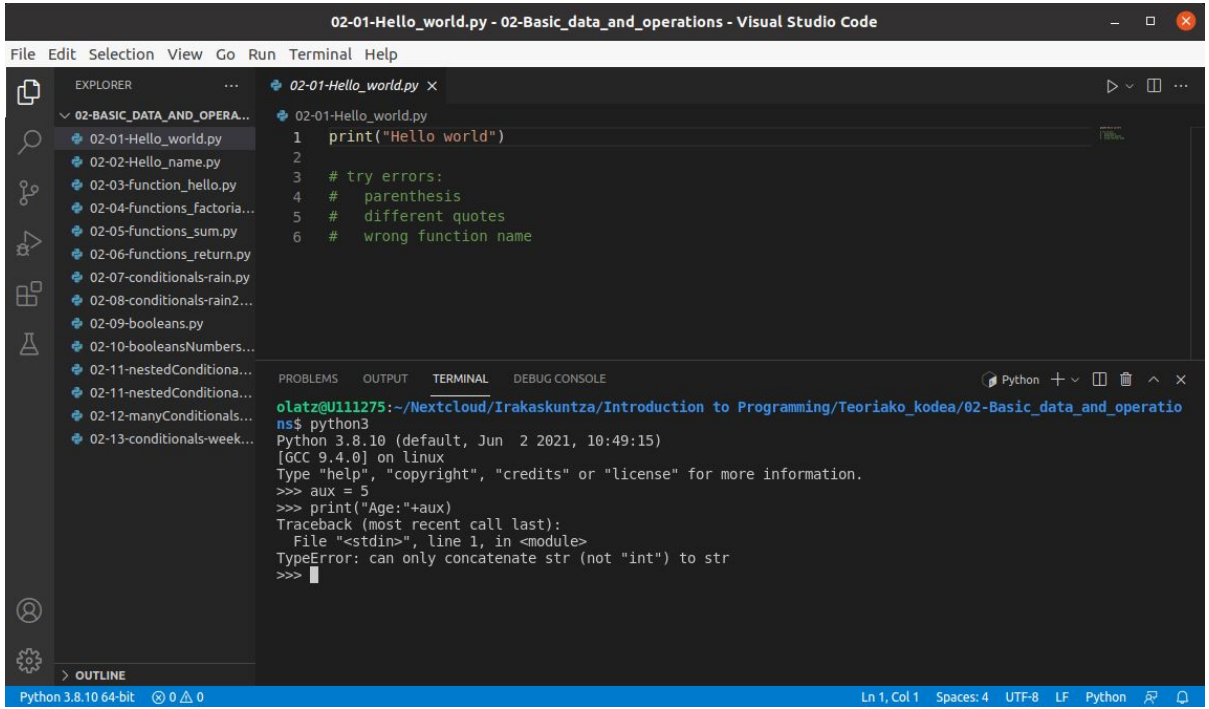
You can run the python interpreter by execurtin “python3” command



Check code

You can run the python interpreter by execurtin “python3” command

Now, you can write any code to check it’s behaviour without having to run the whole program.

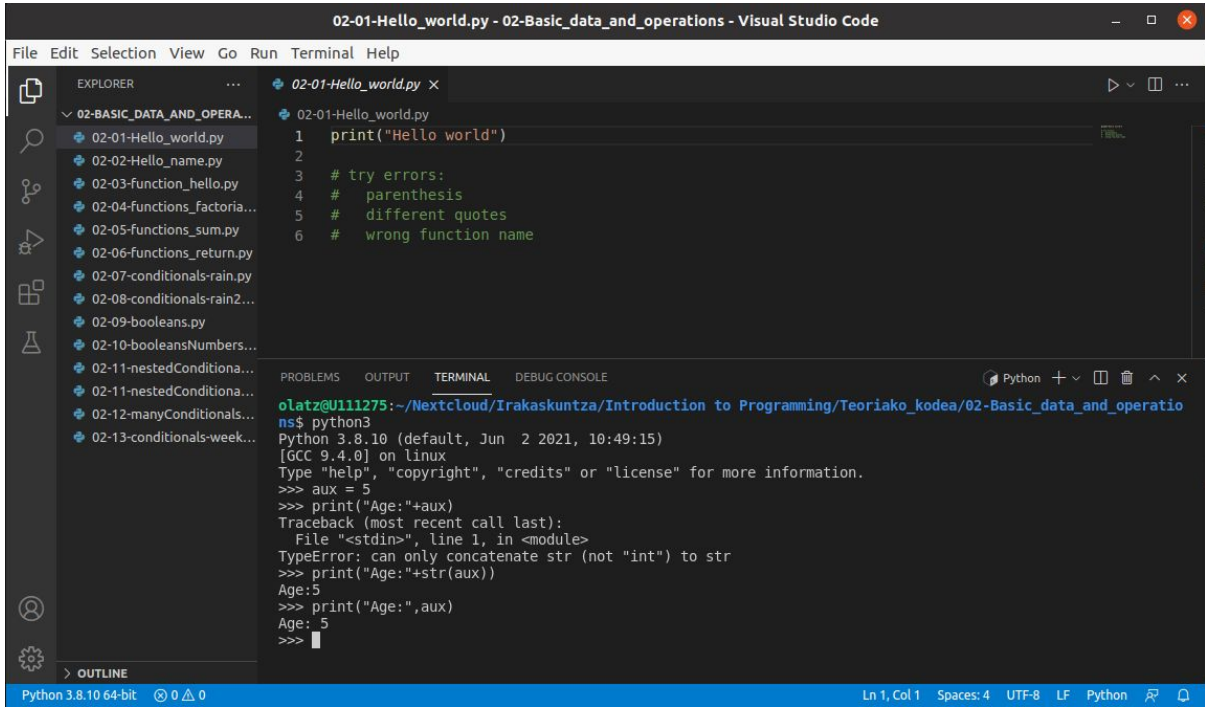


Check code

You can run the python interpreter by execurtin “python3” command

Now, you can write any code to check it’s behaviour without having to run the whole program.

It is especially interesting to check built-in functions



Ctrl+d

To run out the python interpreter

Or you can call the exit() function

Important shortcuts to work with any terminal

Main shortcuts to learn

Autocomplete file names

You can use the tabular key to autocomplete the filename

To do so, you should start writing the filename and if it uniq, it will be autocompleted.

If it is not uniq, you can press the tab key again and will show you the options.

Repeat previous commands

You can use the upwards arrow key to recover previous commands.

You can go through the history commands with the upwards and downwards keys.

You can even edit the command once you get to it.


Ready to start working!
http://www.parentesis.com