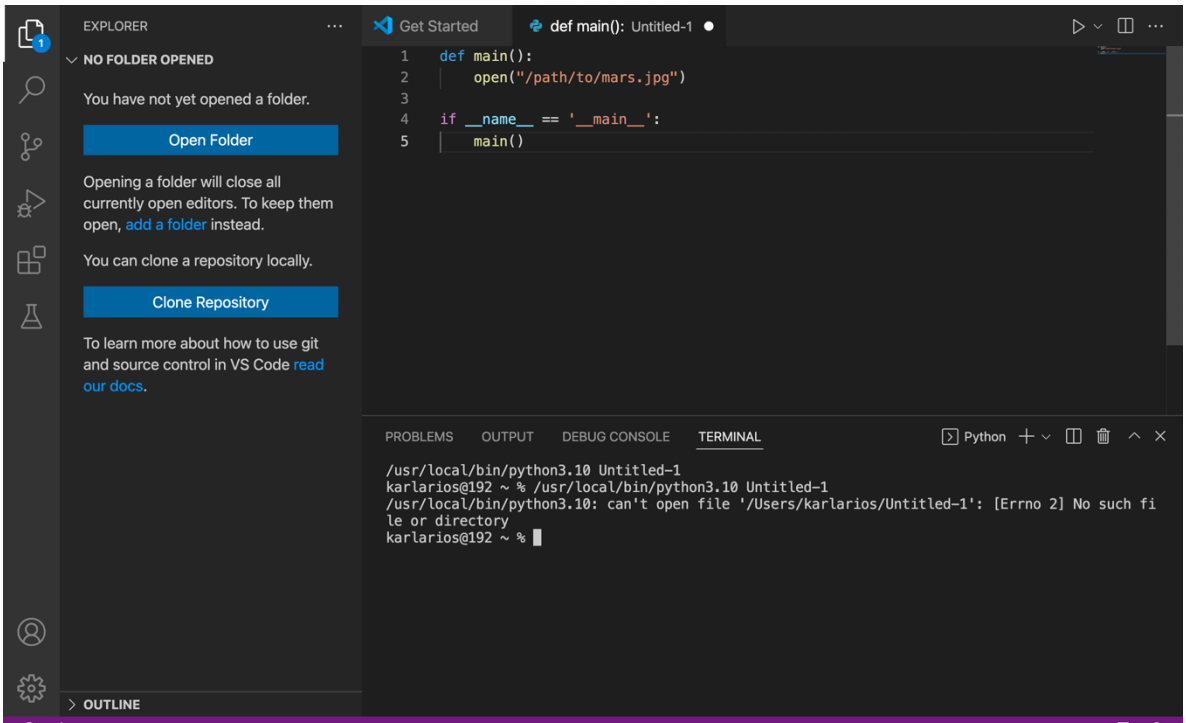
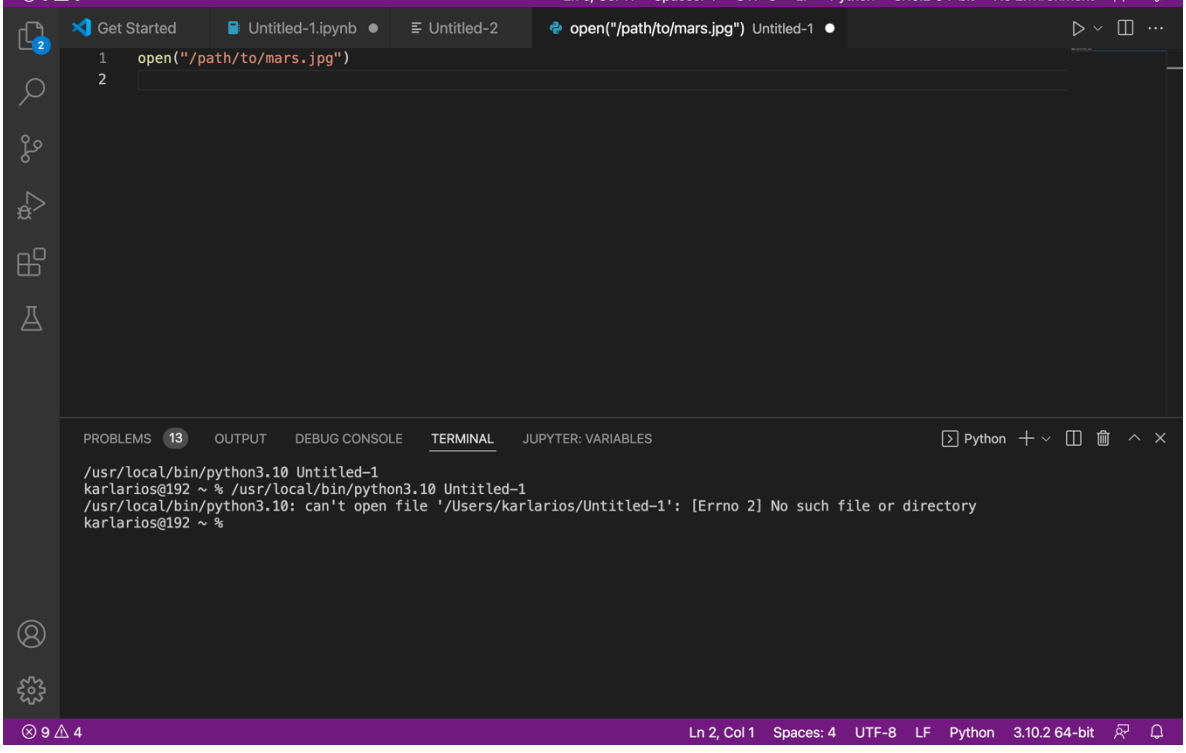
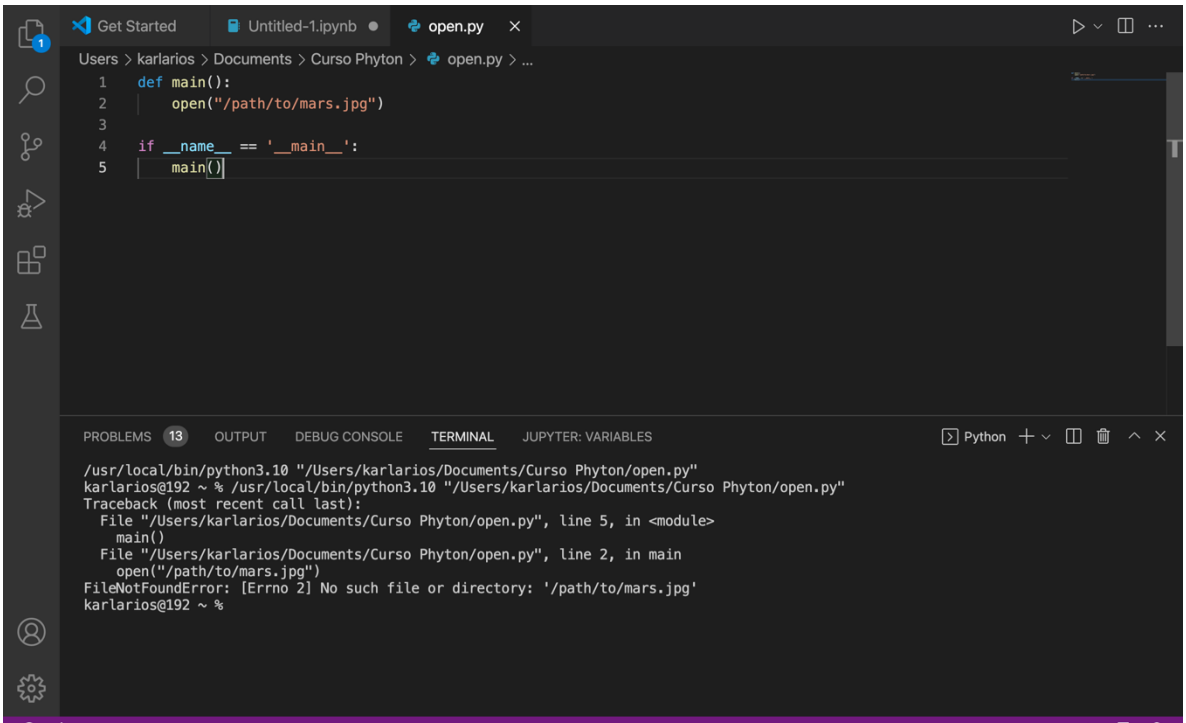
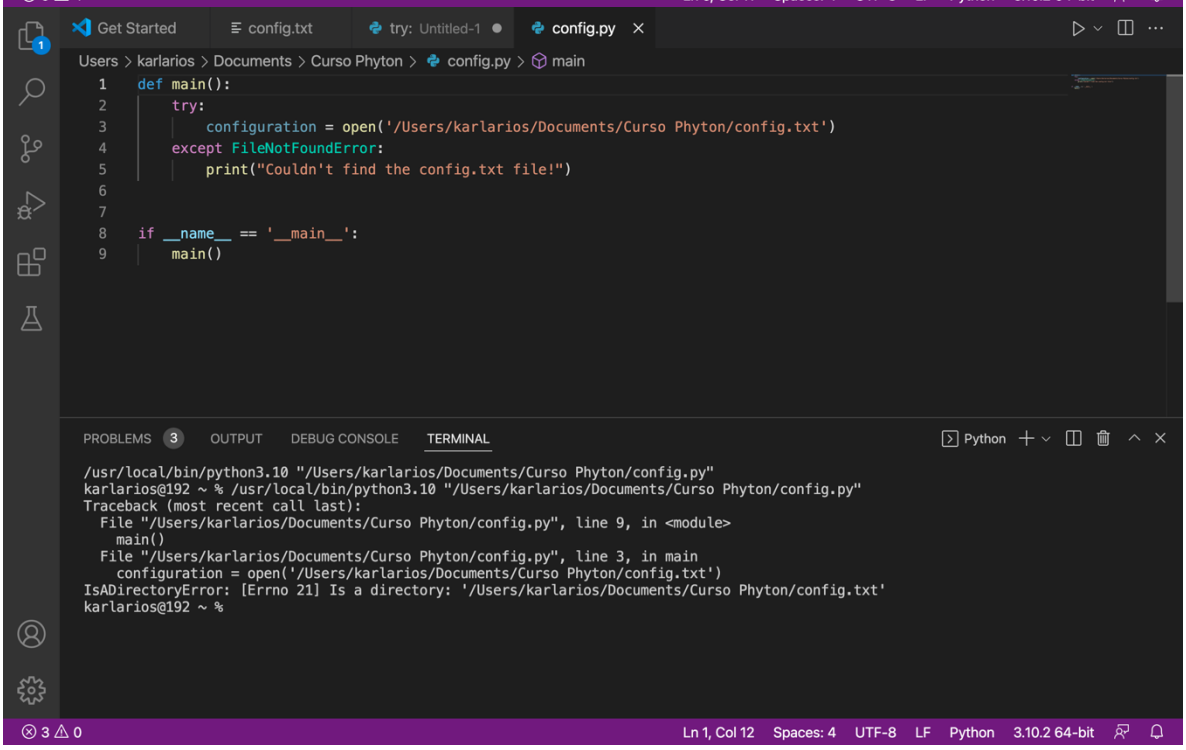
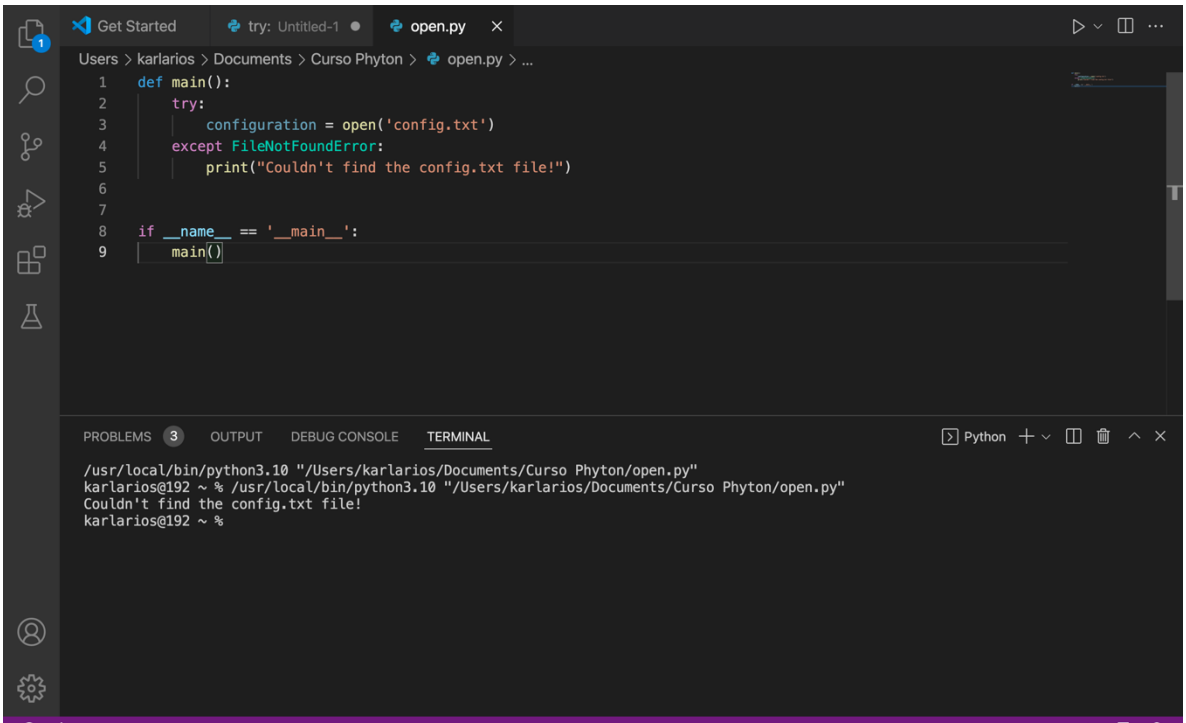
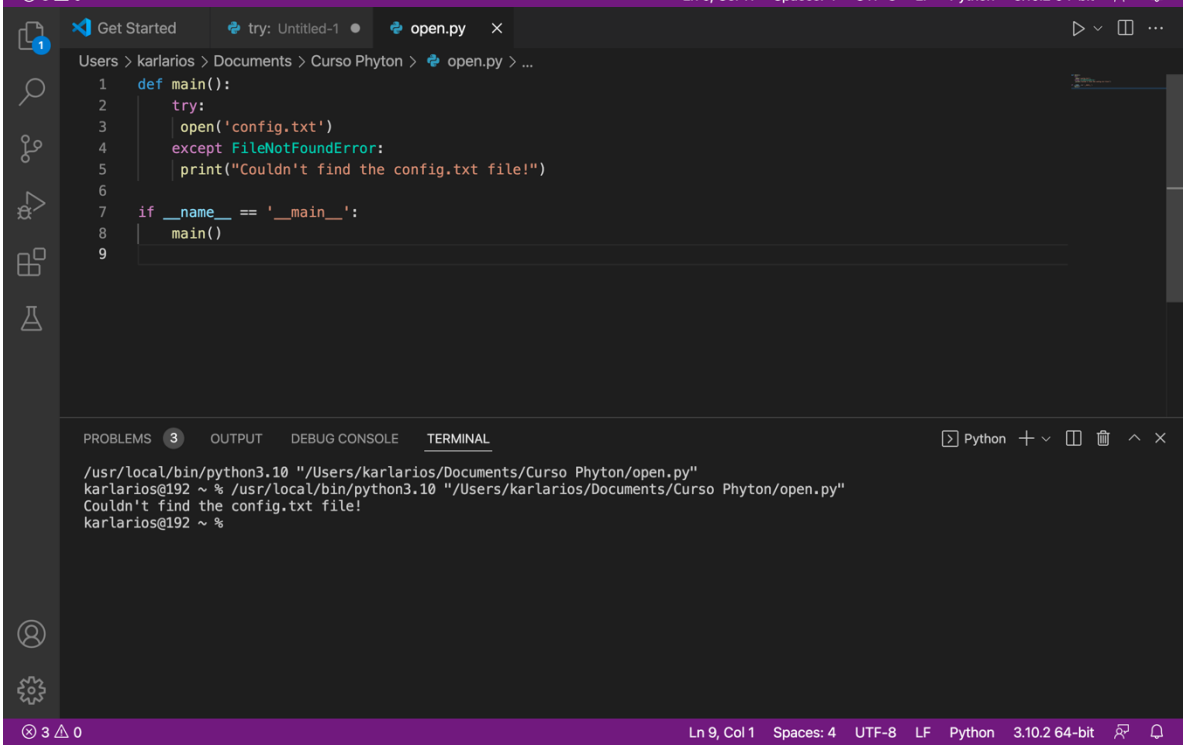

EXPLORER
NO FOLDER OPENED
You have not yet opened a folder.
Open Folder
Opening a folder will close all currently open editors. To keep them open, add a folder instead.
You can clone a repository locally.
Clone Repository
To learn more about how to use git and source control in VS Code read our docs.
OUTLINE
Get Started
def main(): Untitled-1
1 def main():
2 open("/path/to/mars.jpg")
3
4 if __name__ == '__main__':
5 main()
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
Python
/usr/local/bin/python3.10 Untitled-1
karlarios@192 ~ % /usr/local/bin/python3.10 Untitled-1
/usr/local/bin/python3.10: can't open file '/Users/karlarios/Untitled-1': [Errno 2] No such file or directory
karlarios@192 ~ %
0 0
Ln 5, Col 11 Spaces: 4 UTF-8 LF Python 3.10.2 64-bit No Environment

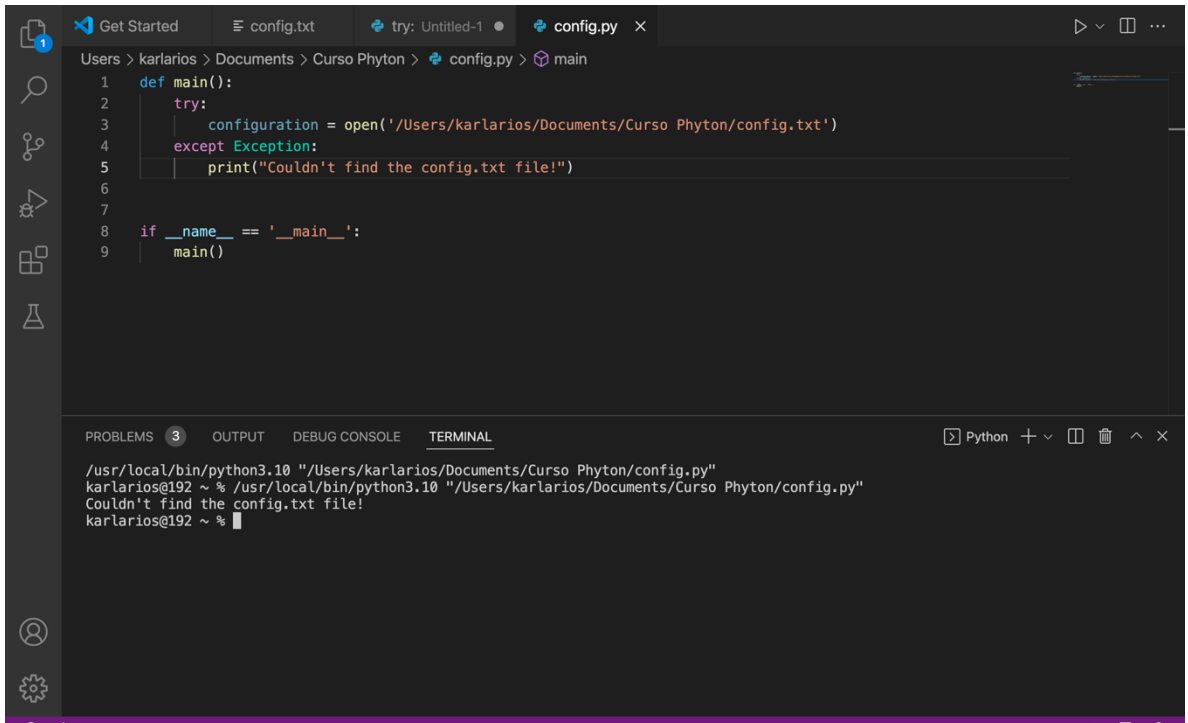

Get Started
Untitled-1.ipynb
Untitled-2
open("/path/to/mars.jpg") Untitled-1
1 open("/path/to/mars.jpg")
2
PROBLEMS 13 OUTPUT DEBUG CONSOLE TERMINAL JUPYTER: VARIABLES
Python
/usr/local/bin/python3.10 Untitled-1
karlarios@192 ~ % /usr/local/bin/python3.10 Untitled-1
/usr/local/bin/python3.10: can't open file '/Users/karlarios/Untitled-1': [Errno 2] No such file or directory
karlarios@192 ~ %
9 4
Ln 2, Col 1 Spaces: 4 UTF-8 LF Python 3.10.2 64-bit

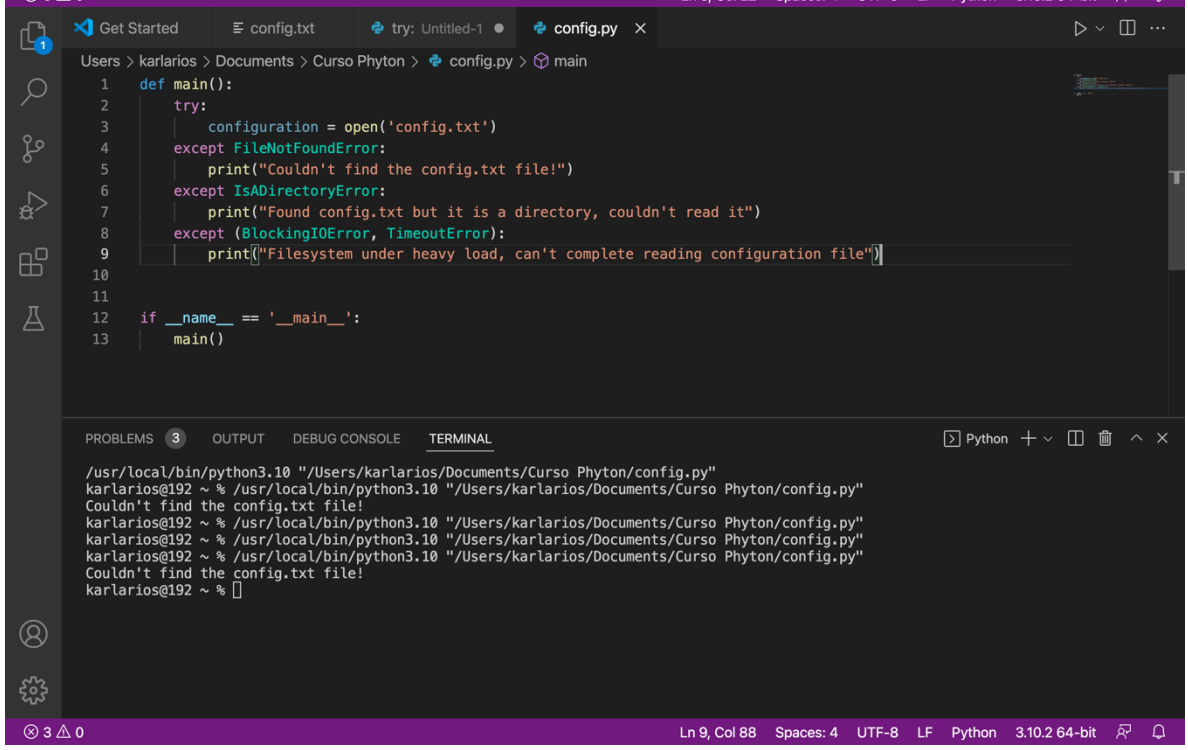

Get Started
Untitled-1.ipynb
open.py
Users > karlarios > Documents > Curso Phyton > open.py > ...
1 def main():
2 open("/path/to/mars.jpg")
3
4 if __name__ == '__main__':
5 main()
PROBLEMS 13
OUTPUT
DEBUG CONSOLE
TERMINAL
JUPYTER: VARIABLES
Python
/usr/local/bin/python3.10 "/Users/karlarios/Documents/Curso Phyton/open.py"
karlarios@192 ~ % /usr/local/bin/python3.10 "/Users/karlarios/Documents/Curso Phyton/open.py"
Traceback (most recent call last):
File "/Users/karlarios/Documents/Curso Phyton/open.py", line 5, in <module>
main()
File "/Users/karlarios/Documents/Curso Phyton/open.py", line 2, in main
open("/path/to/mars.jpg")
FileNotFoundError: [Errno 2] No such file or directory: '/path/to/mars.jpg'
karlarios@192 ~ %
9 4
Ln 5, Col 11
Spaces: 4
UTF-8
LF
Python
3.10.2 64-bit

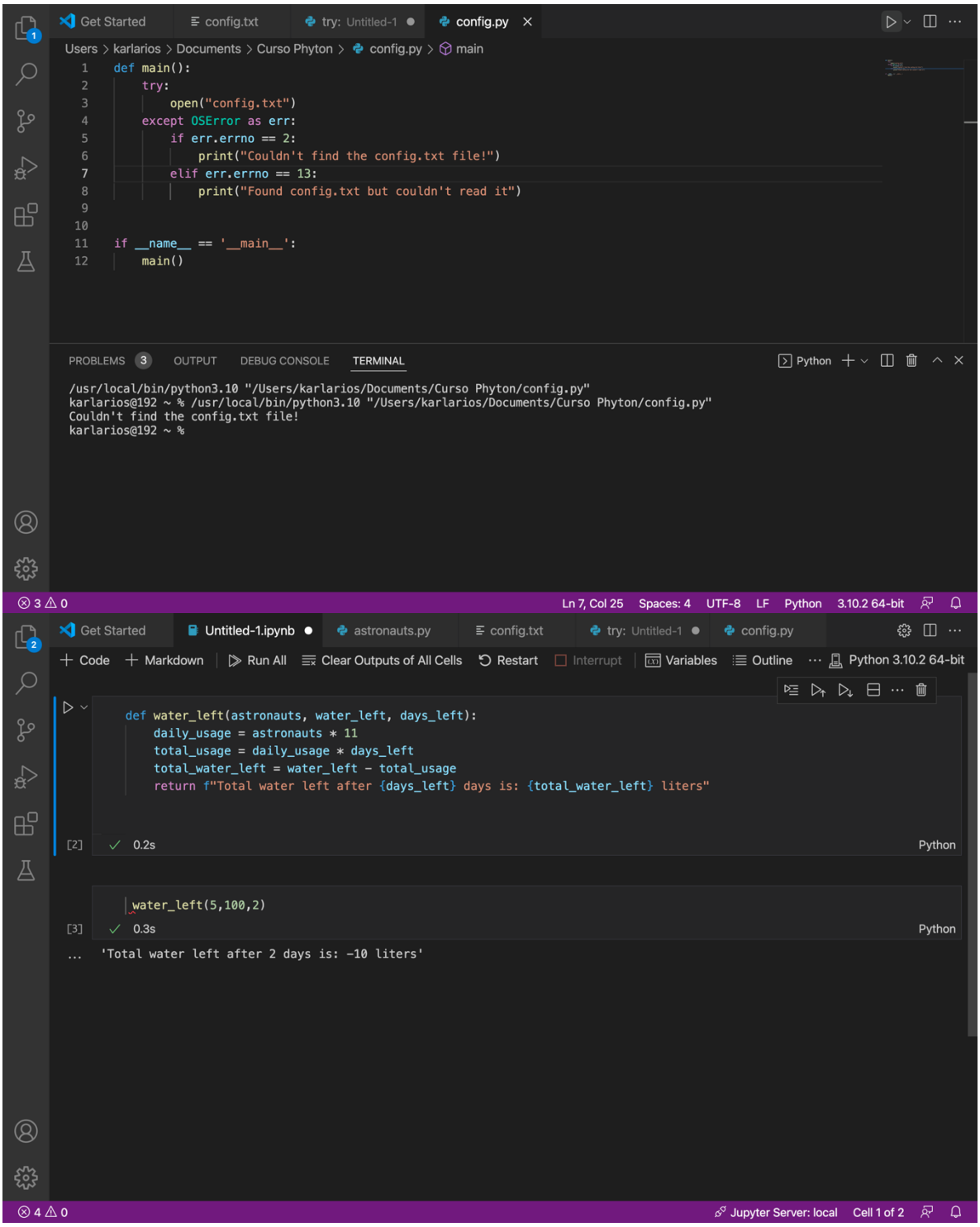

Get Started
config.txt
try: Untitled-1
config.py
Users > karlarios > Documents > Curso Phyton > config.py > main
1 def main():
2 try:
3 configuration = open('/Users/karlarios/Documents/Curso Phyton/config.txt')
4 except FileNotFoundError:
5 print("Couldn't find the config.txt file!")
6
7
8 if __name__ == '__main__':
9 main()
PROBLEMS 3
OUTPUT
DEBUG CONSOLE
TERMINAL
Python
/usr/local/bin/python3.10 "/Users/karlarios/Documents/Curso Phyton/config.py"
karlarios@192 ~ % /usr/local/bin/python3.10 "/Users/karlarios/Documents/Curso Phyton/config.py"
Traceback (most recent call last):
File "/Users/karlarios/Documents/Curso Phyton/config.py", line 9, in <module>
main()
File "/Users/karlarios/Documents/Curso Phyton/config.py", line 3, in main
configuration = open('/Users/karlarios/Documents/Curso Phyton/config.txt')
IsADirectoryError: [Errno 21] Is a directory: '/Users/karlarios/Documents/Curso Phyton/config.txt'
karlarios@192 ~ %
3 0
Ln 1, Col 12
Spaces: 4
UTF-8
LF
Python
3.10.2 64-bit


Get Started
try: Untitled-1
open.py
Users > karlarios > Documents > Curso Phyton > open.py > ...
1 def main():
2 try:
3 configuration = open('config.txt')
4 except FileNotFoundError:
5 print("Couldn't find the config.txt file!")
6
7
8 if __name__ == '__main__':
9 main()
PROBLEMS 3
OUTPUT
DEBUG CONSOLE
TERMINAL
Python
/usr/local/bin/python3.10 "/Users/karlarios/Documents/Curso Phyton/open.py"
karlarios@192 ~ % /usr/local/bin/python3.10 "/Users/karlarios/Documents/Curso Phyton/open.py"
Couldn't find the config.txt file!
karlarios@192 ~ %
3 0
Ln 9, Col 11
Spaces: 4
UTF-8
LF
Python
3.10.2 64-bit

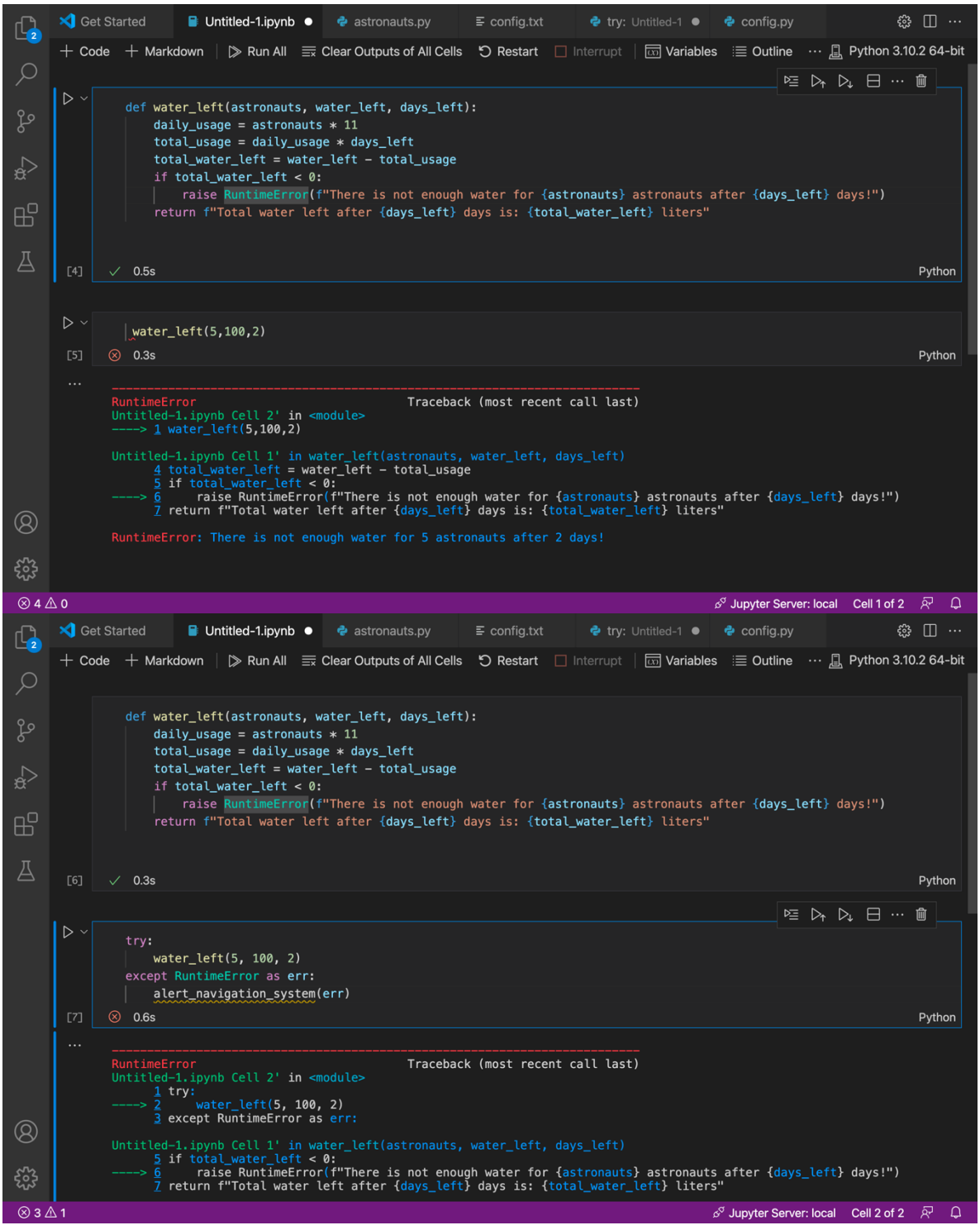

Get Started
try: Untitled-1
open.py
Users > karlarios > Documents > Curso Phyton > open.py > ...
1 def main():
2 try:
3 open('config.txt')
4 except FileNotFoundError:
5 print("Couldn't find the config.txt file!")
6
7 if __name__ == '__main__':
8 main()
9
PROBLEMS 3
OUTPUT
DEBUG CONSOLE
TERMINAL
Python
/usr/local/bin/python3.10 "/Users/karlarios/Documents/Curso Phyton/open.py"
karlarios@192 ~ % /usr/local/bin/python3.10 "/Users/karlarios/Documents/Curso Phyton/open.py"
Couldn't find the config.txt file!
karlarios@192 ~ %
3 0
Ln 9, Col 1
Spaces: 4
UTF-8
LF
Python
3.10.2 64-bit


Get Started
config.txt
try: Untitled-1
config.py
Users > karlarios > Documents > Curso Phyton > config.py > main
1 def main():
2 try:
3 configuration = open('/Users/karlarios/Documents/Curso Phyton/config.txt')
4 except Exception:
5 print("Couldn't find the config.txt file!")
6
7
8 if __name__ == '__main__':
9 main()
PROBLEMS 3
OUTPUT
DEBUG CONSOLE
TERMINAL
Python
/usr/local/bin/python3.10 "/Users/karlarios/Documents/Curso Phyton/config.py"
karlarios@192 ~ % /usr/local/bin/python3.10 "/Users/karlarios/Documents/Curso Phyton/config.py"
Couldn't find the config.txt file!
karlarios@192 ~ %
3 0
Ln 5, Col 22
Spaces: 4
UTF-8
LF
Python
3.10.2 64-bit

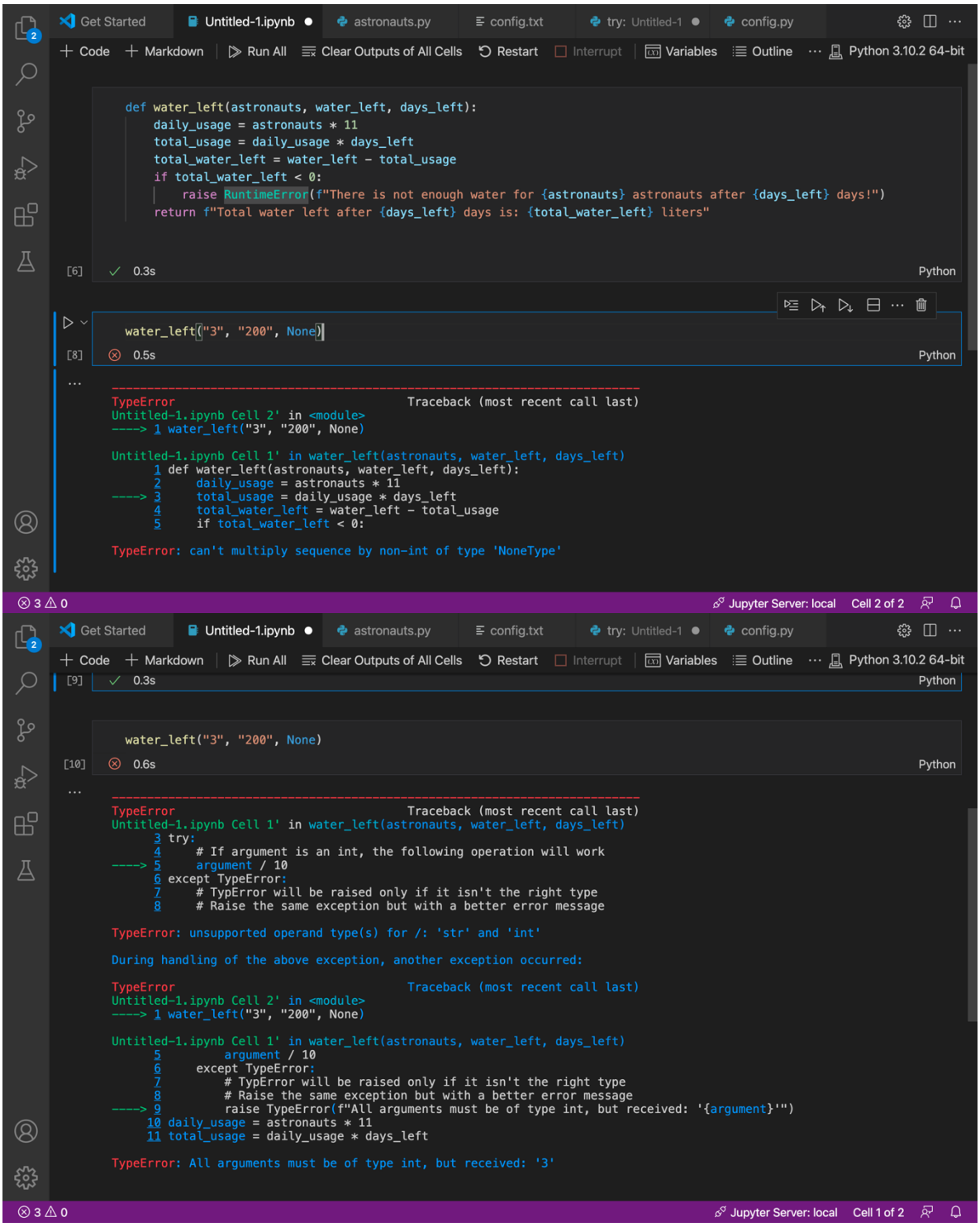

Get Started
config.txt
try: Untitled-1
config.py
Users > karlarios > Documents > Curso Phyton > config.py > main
1 def main():
2 try:
3 configuration = open('config.txt')
4 except FileNotFoundError:
5 print("Couldn't find the config.txt file!")
6 except IsADirectoryError:
7 print("Found config.txt but it is a directory, couldn't read it")
8 except (BlockingIOError, TimeoutError):
9 print("Filesystem under heavy load, can't complete reading configuration file")
10
11
12 if __name__ == '__main__':
13 main()
PROBLEMS 3
OUTPUT
DEBUG CONSOLE
TERMINAL
Python
/usr/local/bin/python3.10 "/Users/karlarios/Documents/Curso Phyton/config.py"
karlarios@192 ~ % /usr/local/bin/python3.10 "/Users/karlarios/Documents/Curso Phyton/config.py"
Couldn't find the config.txt file!
karlarios@192 ~ % /usr/local/bin/python3.10 "/Users/karlarios/Documents/Curso Phyton/config.py"
karlarios@192 ~ % /usr/local/bin/python3.10 "/Users/karlarios/Documents/Curso Phyton/config.py"
karlarios@192 ~ % /usr/local/bin/python3.10 "/Users/karlarios/Documents/Curso Phyton/config.py"
Couldn't find the config.txt file!
karlarios@192 ~ %
3 0
Ln 9, Col 88
Spaces: 4
UTF-8
LF
Python
3.10.2 64-bit


Get Started
config.txt
try: Untitled-1
config.py
Users > karlarios > Documents > Curso Phyton > config.py > main
def main():
try:
open("config.txt")
except OSError as err:
if err.errno == 2:
print("Couldn't find the config.txt file!")
elif err.errno == 13:
print("Found config.txt but couldn't read it")
if __name__ == '__main__':
main()
PROBLEMS 3
OUTPUT
DEBUG CONSOLE
TERMINAL
Python
/usr/local/bin/python3.10 "/Users/karlarios/Documents/Curso Phyton/config.py"
karlarios@192 ~ % /usr/local/bin/python3.10 "/Users/karlarios/Documents/Curso Phyton/config.py"
Couldn't find the config.txt file!
karlarios@192 ~ %
3 0
Ln 7, Col 25
Spaces: 4
UTF-8
LF
Python
3.10.2 64-bit

Get Started
Untitled-1.ipynb
astronauts.py
config.txt
try: Untitled-1
config.py
Code
Markdown
Run All
Clear Outputs of All Cells
Restart
Interrupt
Variables
Outline
Python 3.10.2 64-bit
def water_left(astronauts, water_left, days_left):
daily_usage = astronauts * 11
total_usage = daily_usage * days_left
total_water_left = water_left - total_usage
return f"Total water left after {days_left} days is: {total_water_left} liters"
[2]
0.2s
Python
water_left(5,100,2)
[3]
0.3s
Python
...
'Total water left after 2 days is: -10 liters'
4 0
Jupyter Server: local
Cell 1 of 2


Get Started
Untitled-1.ipynb
astronauts.py
config.txt
try: Untitled-1
config.py
Code
Markdown
Run All
Clear Outputs of All Cells
Restart
Interrupt
Variables
Outline
Python 3.10.2 64-bit
def water_left(astronauts, water_left, days_left):
daily_usage = astronauts * 11
total_usage = daily_usage * days_left
total_water_left = water_left - total_usage
if total_water_left < 0:
raise RuntimeError(f"There is not enough water for {astronauts} astronauts after {days_left} days!")
return f"Total water left after {days_left} days is: {total_water_left} liters"
[4] 0.5s
Python
water_left(5,100,2)
[5] 0.3s
Python
RuntimeError Traceback (most recent call last)
Untitled-1.ipynb Cell 2' in <module>
----> 1 water_left(5,100,2)
Untitled-1.ipynb Cell 1' in water_left(astronauts, water_left, days_left)
4 total_water_left = water_left - total_usage
5 if total_water_left < 0:
----> 6 raise RuntimeError(f"There is not enough water for {astronauts} astronauts after {days_left} days!")
7 return f"Total water left after {days_left} days is: {total_water_left} liters"
RuntimeError: There is not enough water for 5 astronauts after 2 days!
4 0
Jupyter Server: local
Cell 1 of 2

Get Started
Untitled-1.ipynb
astronauts.py
config.txt
try: Untitled-1
config.py
Code
Markdown
Run All
Clear Outputs of All Cells
Restart
Interrupt
Variables
Outline
Python 3.10.2 64-bit
def water_left(astronauts, water_left, days_left):
daily_usage = astronauts * 11
total_usage = daily_usage * days_left
total_water_left = water_left - total_usage
if total_water_left < 0:
raise RuntimeError(f"There is not enough water for {astronauts} astronauts after {days_left} days!")
return f"Total water left after {days_left} days is: {total_water_left} liters"
[6] 0.3s
Python
try:
water_left(5, 100, 2)
except RuntimeError as err:
alert_navigation_system(err)
[7] 0.6s
Python
RuntimeError Traceback (most recent call last)
Untitled-1.ipynb Cell 2' in <module>
1 try:
----> 2 water_left(5, 100, 2)
3 except RuntimeError as err:
Untitled-1.ipynb Cell 1' in water_left(astronauts, water_left, days_left)
5 if total_water_left < 0:
----> 6 raise RuntimeError(f"There is not enough water for {astronauts} astronauts after {days_left} days!")
7 return f"Total water left after {days_left} days is: {total_water_left} liters"
3 1
Jupyter Server: local
Cell 2 of 2


Get Started
Untitled-1.ipynb
astronauts.py
config.txt
try: Untitled-1
config.py
Code
Markdown
Run All
Clear Outputs of All Cells
Restart
Interrupt
Variables
Outline
Python 3.10.2 64-bit
def water_left(astronauts, water_left, days_left):
daily_usage = astronauts * 11
total_usage = daily_usage * days_left
total_water_left = water_left - total_usage
if total_water_left < 0:
raise RuntimeError(f"There is not enough water for {astronauts} astronauts after {days_left} days!")
return f"Total water left after {days_left} days is: {total_water_left} liters"
[6] 0.3s
Python
water_left("3", "200", None)
[8] 0.5s
Python
TypeError Traceback (most recent call last)
Untitled-1.ipynb Cell 2' in <module>
----> 1 water_left("3", "200", None)
Untitled-1.ipynb Cell 1' in water_left(astronauts, water_left, days_left)
1 def water_left(astronauts, water_left, days_left):
2 daily_usage = astronauts * 11
----> 3 total_usage = daily_usage * days_left
4 total_water_left = water_left - total_usage
5 if total_water_left < 0:
TypeError: can't multiply sequence by non-int of type 'NoneType'
3 0
Jupyter Server: local
Cell 2 of 2
Get Started
Untitled-1.ipynb
astronauts.py
config.txt
try: Untitled-1
config.py
Code
Markdown
Run All
Clear Outputs of All Cells
Restart
Interrupt
Variables
Outline
Python 3.10.2 64-bit
[9] 0.3s
Python
water_left("3", "200", None)
[10] 0.6s
Python
TypeError Traceback (most recent call last)
Untitled-1.ipynb Cell 1' in water_left(astronauts, water_left, days_left)
3 try:
4 # If argument is an int, the following operation will work
----> 5 argument / 10
6 except TypeError:
7 # TypError will be raised only if it isn't the right type
8 # Raise the same exception but with a better error message
TypeError: unsupported operand type(s) for /: 'str' and 'int'
During handling of the above exception, another exception occurred:
TypeError Traceback (most recent call last)
Untitled-1.ipynb Cell 2' in <module>
----> 1 water_left("3", "200", None)
Untitled-1.ipynb Cell 1' in water_left(astronauts, water_left, days_left)
5 argument / 10
6 except TypeError:
7 # TypError will be raised only if it isn't the right type
8 # Raise the same exception but with a better error message
----> 9 raise TypeError(f"All arguments must be of type int, but received: '{argument}'")
10 daily_usage = astronauts * 11
11 total_usage = daily_usage * days_left
TypeError: All arguments must be of type int, but received: '3'
3 0
Jupyter Server: local
Cell 1 of 2