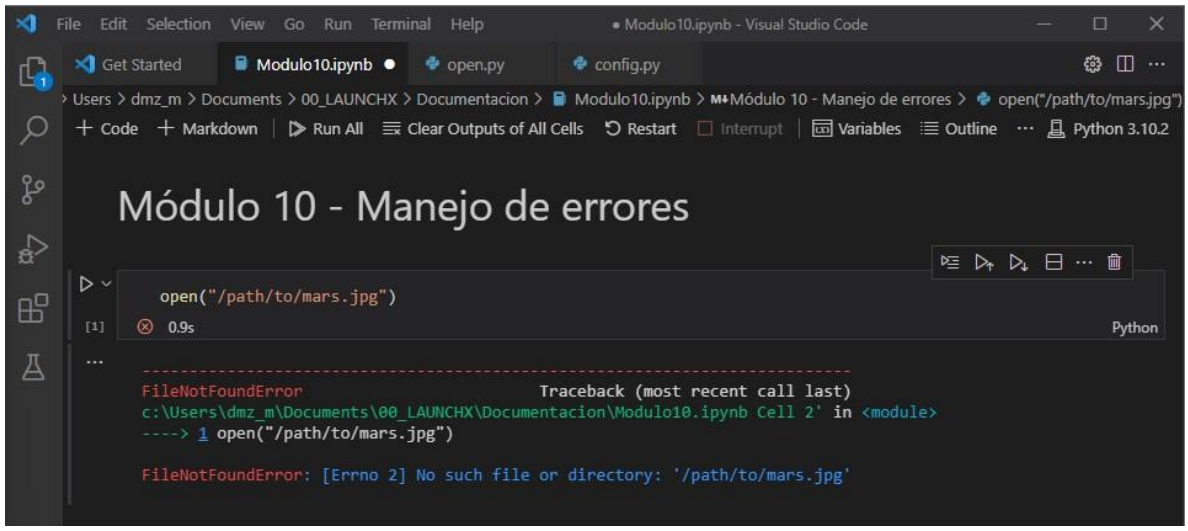
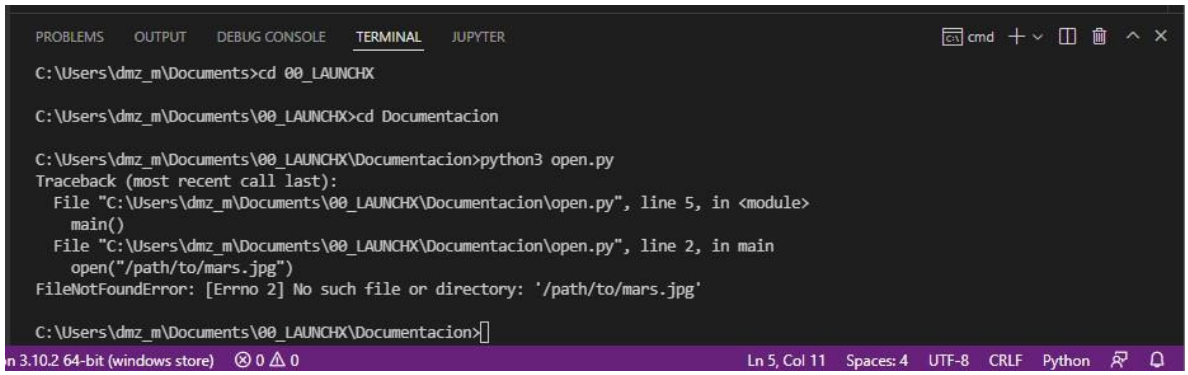
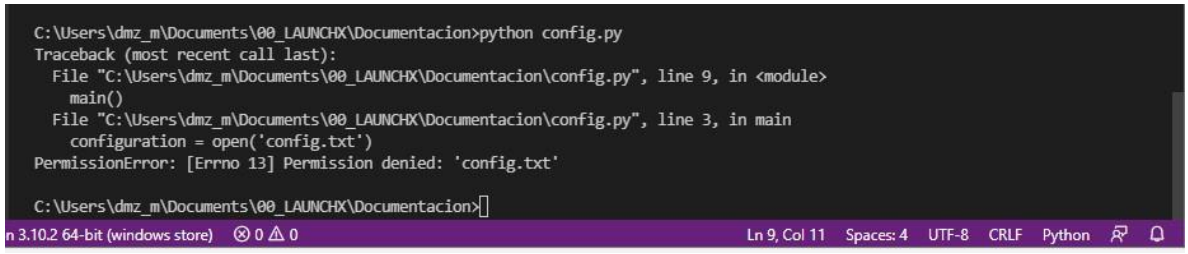
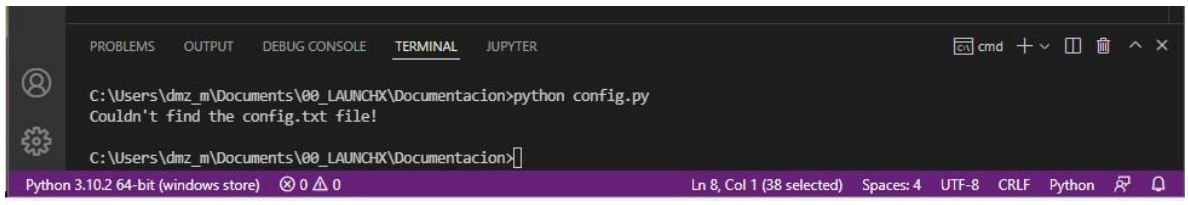

File Edit Selection View Go Run Terminal Help
• Modulo10.ipynb - Visual Studio Code
Get Started
Modulo10.ipynb
open.py
config.py
Users > dmz_m > Documents > 00_LAUNCHX > Documentacion > Modulo10.ipynb > Módulo 10 - Manejo de errores > open("/path/to/mars.jpg")
+ Code + Markdown Run All Clear Outputs of All Cells Restart Interrupt Variables Outline Python 3.10.2
Módulo 10 - Manejo de errores
open("/path/to/mars.jpg")
[1] 0.9s
Python
FileNotFoundError Traceback (most recent call last)
c:\Users\dmz_m\Documents\00_LAUNCHX\Documentacion\Modulo10.ipynb Cell 2' in <module>
----> 1 open("/path/to/mars.jpg")
FileNotFoundError: [Errno 2] No such file or directory: '/path/to/mars.jpg'


PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER
cmd
C:\Users\dmz_m\Documents>cd 00_LAUNCHX
C:\Users\dmz_m\Documents\00_LAUNCHX>cd Documentacion
C:\Users\dmz_m\Documents\00_LAUNCHX\Documentacion>python3 open.py
Traceback (most recent call last):
File "C:\Users\dmz_m\Documents\00_LAUNCHX\Documentacion\open.py", line 5, in <module>
main()
File "C:\Users\dmz_m\Documents\00_LAUNCHX\Documentacion\open.py", line 2, in main
open("/path/to/mars.jpg")
FileNotFoundError: [Errno 2] No such file or directory: '/path/to/mars.jpg'
C:\Users\dmz_m\Documents\00_LAUNCHX\Documentacion>
n 3.10.2 64-bit (windows store) 0 0 Ln 5, Col 11 Spaces: 4 UTF-8 CRLF Python

try:
open('config.txt')
except FileNotFoundError:
print("Couldn't find the config.txt file!")
[5] 0.5s
Python
Couldn't find the config.txt file!


C:\Users\dmz_m\Documents\00_LAUNCHX\Documentacion>python config.py
Traceback (most recent call last):
File "C:\Users\dmz_m\Documents\00_LAUNCHX\Documentacion\config.py", line 9, in <module>
main()
File "C:\Users\dmz_m\Documents\00_LAUNCHX\Documentacion\config.py", line 3, in main
configuration = open('config.txt')
PermissionError: [Errno 13] Permission denied: 'config.txt'
C:\Users\dmz_m\Documents\00_LAUNCHX\Documentacion>
n 3.10.2 64-bit (windows store) 0 0 Ln 9, Col 11 Spaces: 4 UTF-8 CRLF Python


PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER
cmd
C:\Users\dmz_m\Documents\00_LAUNCHX\Documentacion>python config.py
Couldn't find the config.txt file!
C:\Users\dmz_m\Documents\00_LAUNCHX\Documentacion>
Python 3.10.2 64-bit (windows store) 0 0 Ln 8, Col 1 (38 selected) Spaces: 4 UTF-8 CRLF Python

```
C:\Users\dmz_m\Documents\00_LAUNCHX\Documentacion>python config.py
No tiene permisos para acceder al archivo

C:\Users\dmz_m\Documents\00_LAUNCHX\Documentacion>
```

Python 3.10.2 64-bit (windows store) ⊗ 0 ⚠ 0 Ln 9, Col 57 Spaces: 4 UTF-8 CRLF Python

```
C:\Users\dmz_m\Documents\00_LAUNCHX\Documentacion>python config.py
Couldn't find the config.txt file!

C:\Users\dmz_m\Documents\00_LAUNCHX\Documentacion>
```

Python 3.10.2 64-bit (windows store) ⊗ 0 ⚠ 0 Ln 9, Col 57 Spaces: 4 UTF-8 CRLF Python

```
try:
    open("mars.jpg")
except FileNotFoundError as err:
    print("got a problem trying to read the file:", err)
```

[7] ✓ 0.6s Python

```
got a problem trying to read the file: [Errno 2] No such file or directory: 'mars.jpg'
```

```
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")
```

[8] ✓ 0.4s Python

```
Couldn't find the config.txt file!
```

```python
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"
```

[11] ✓ 0.5s Python

```python
water_left(5, 100, 2)
```

[12] ⊗ 0.1s Python

```
---------------------------------------------------------------------------
RuntimeError                              Traceback (most recent call last)
c:\Users\dmz_m\Documents\00_LAUNCHX\Documentacion\Modulo10.ipynb Cell 10' in <module>
----> 1 water_left(5, 100, 2)

c:\Users\dmz_m\Documents\00_LAUNCHX\Documentacion\Modulo10.ipynb Cell 9' in water_left(astronauts, water_le
ft, 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} da
ys!")
      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!
```

```
---------------------------------------------------------------------------
TypeError                                 Traceback (most recent call last)
c:\Users\dmz_m\Documents\00_LAUNCHX\Documentacion\Modulo10.ipynb Cell 13' in water_left(astronauts, water_l
eft, 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)
c:\Users\dmz_m\Documents\00_LAUNCHX\Documentacion\Modulo10.ipynb Cell 14' in <module>
----> 1 water_left("3", "200", None)

c:\Users\dmz_m\Documents\00_LAUNCHX\Documentacion\Modulo10.ipynb Cell 13' in water_left(astronauts, water_l
eft, 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'
```