

```
C:\Users\javim>python
Python 3.10.2 (tags/v3.10.2:a58ebcc, Jan 17 2022, 14:12:15) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license" for more information.
>>> open("/path/to/mars.jpg")
Traceback (most recent call last):
  File "<stdin>", line 1, in <module>
FileNotFoundError: [Errno 2] No such file or directory: '/path/to/mars.jpg'
>>>
```

```
D:\Repositorios\CursoIntroPython\Módulo 10 - Manejo de errores>python open.py
Traceback (most recent call last):
  File "D:\Repositorios\CursoIntroPython\Módulo 10 - Manejo de errores\open.py", line 5, in <module>
    main()
  File "D:\Repositorios\CursoIntroPython\Módulo 10 - Manejo de errores\open.py", line 2, in main
    open("/path/to/mars.jpg")
FileNotFoundError: [Errno 2] No such file or directory: '/path/to/mars.jpg'

D:\Repositorios\CursoIntroPython\Módulo 10 - Manejo de errores>_
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D:\Repositorios\CursoIntroPython\Módulo 10 - Manejo de errores>python
Python 3.10.2 (tags/v3.10.2:a58ebcc, Jan 17 2022, 14:12:15) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license" for more information.
>>> try:
...     open("config.txt")
... except FileNotFoundError:
...     print("Couldn't find the config.txt file!")
...
Couldn't find the config.txt file!
```

```
D:\Repositorios\CursoIntroPython\Módulo 10 - Manejo de errores>python config.py
Couldn't find the config.txt file!
```

```
D:\Repositorios\CursoIntroPython\Módulo 10 - Manejo de errores>python
Python 3.10.2 (tags/v3.10.2:a58ebcc, Jan 17 2022, 14:12:15) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license" for more information.
>>> try:
...     open("mars.jpg")
... except FileNotFoundError as err:
...     print("got a problem trying to read the file:", err)
...
got a problem trying to read the file: [Errno 2] No such file or directory: 'mars.jpg'
>>> _
```

```
D:\Repositorios\CursoIntroPython\Módulo 10 - Manejo de errores>python
Python 3.10.2 (tags/v3.10.2:a58ebcc, Jan 17 2022, 14:12:15) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license" for more information.
>>> 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")
...
Couldn't find the config.txt file!
>>>
```

Archivos

```
open.py U X
Módulo 10 - Manejo de errores > open.py > ...
1 def main():
2     open("/path/to/mars.jpg")
3
4 if __name__ == '__main__':
5     main()
```

```
config.py U X
Módulo 10 - Manejo de errores > 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")
```

Generando excepciones

```
D:\Repositorios\CursoIntroPython\Módulo 10 - Manejo de errores>python
Python 3.10.2 (tags/v3.10.2:a58ebcc, Jan 17 2022, 14:12:15) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license" for more information.
>>> 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"
...
>>> water_left(5, 100, 2)
'Total water left after 2 days is: -10 liters'
>>>
```

```
>>> water_left(5, 100, 2)
'Total water left after 2 days is: -10 liters'
>>> 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"
...
>>> water_left(5, 100, 2)
Traceback (most recent call last):
  File "<stdin>", line 1, in <module>
  File "<stdin>", line 6, in water_left
RuntimeError: There is not enough water for 5 astronauts after 2 days!
>>>
```

```
>>> try:
...     water_left(5, 100, 2)
... except RuntimeError as err:
...     alert_navigation_system(err)
...
Traceback (most recent call last):
  File "<stdin>", line 2, in <module>
  File "<stdin>", line 6, in water_left
RuntimeError: There is not enough water for 5 astronauts after 2 days!

During handling of the above exception, another exception occurred:

Traceback (most recent call last):
  File "<stdin>", line 4, in <module>
NameError: name 'alert_navigation_system' is not defined
>>> _
```

```
>>> water_left("3", "200", None)
Traceback (most recent call last):
  File "<stdin>", line 5, in water_left
TypeError: unsupported operand type(s) for /: 'str' and 'int'

During handling of the above exception, another exception occurred:

Traceback (most recent call last):
  File "<stdin>", line 1, in <module>
  File "<stdin>", line 9, in water_left
TypeError: All arguments must be of type int, but received: '3'
>>>
```