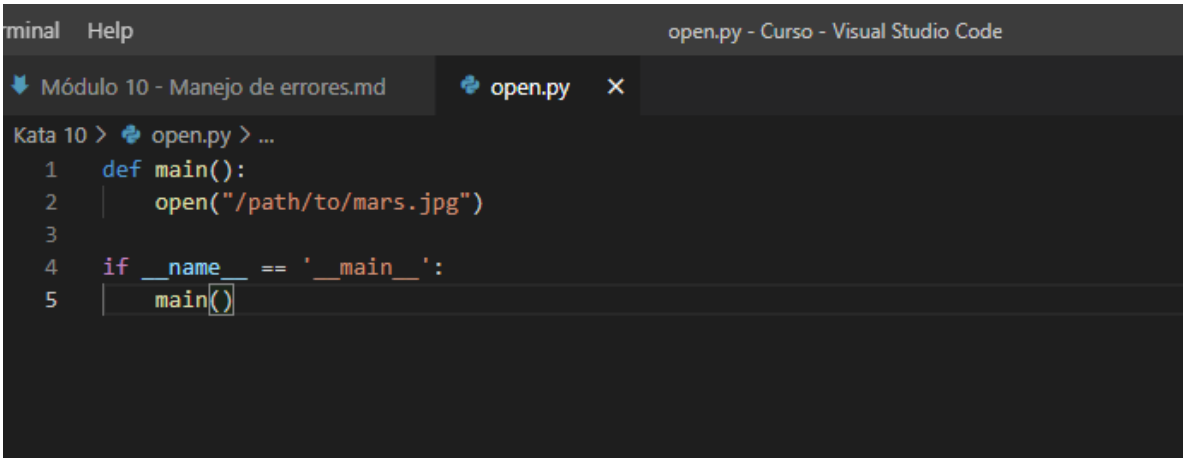
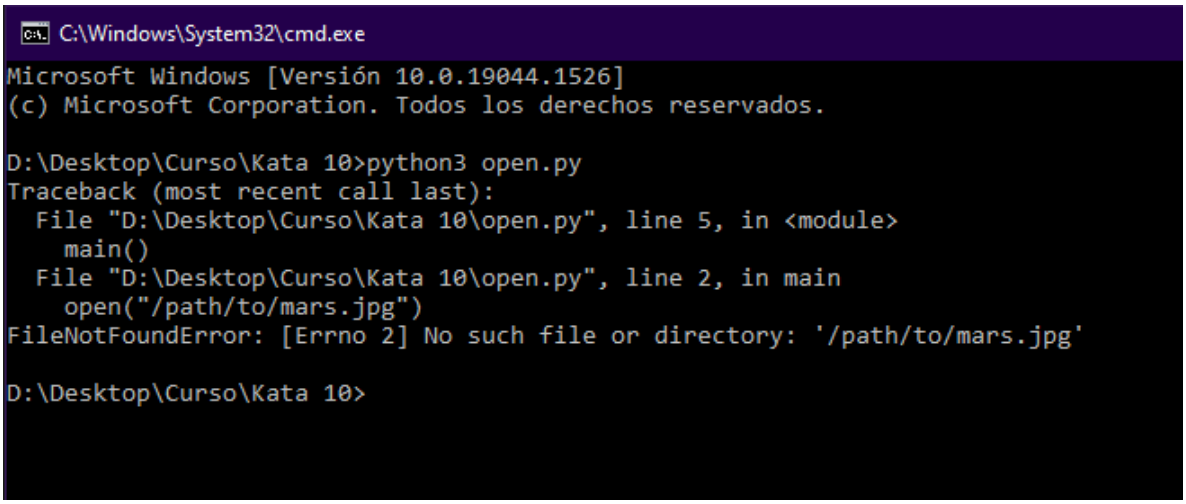
Kata 10

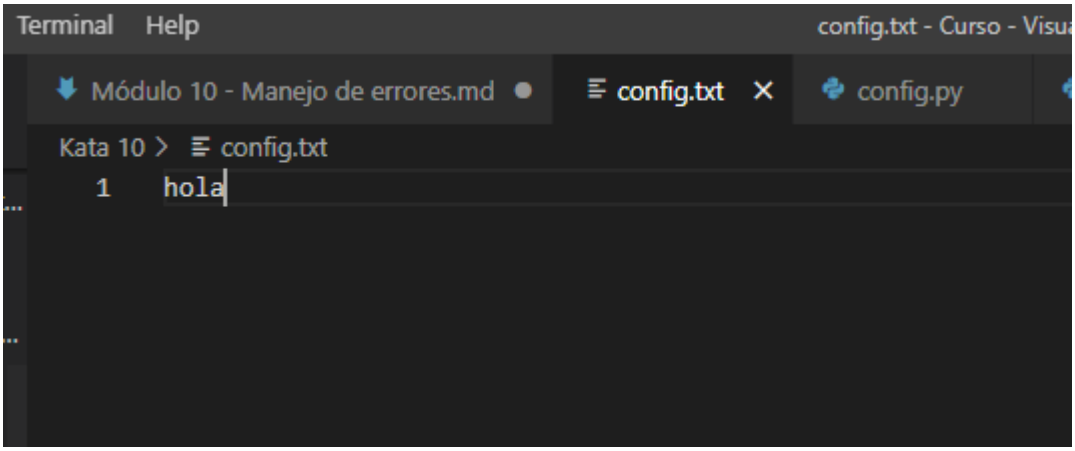
Alejandro Trinidad Zavala

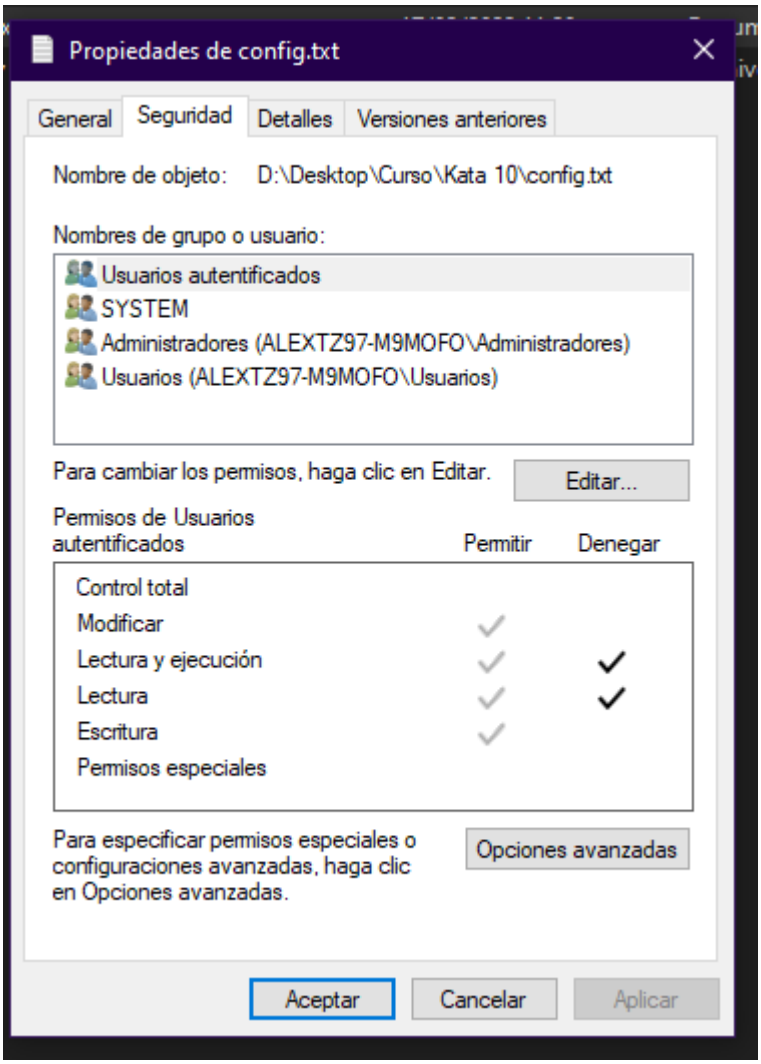
Ejercicio 1

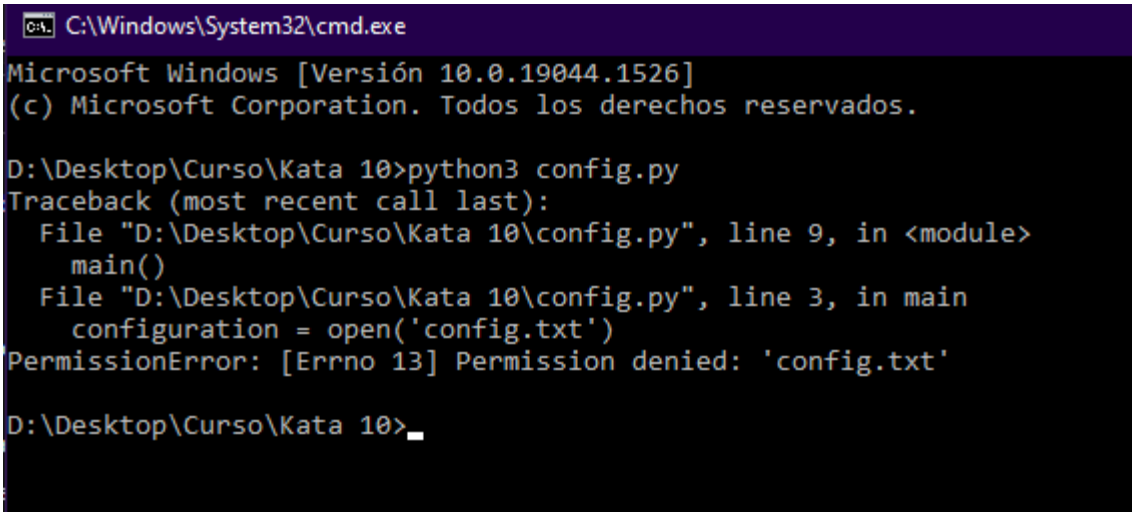


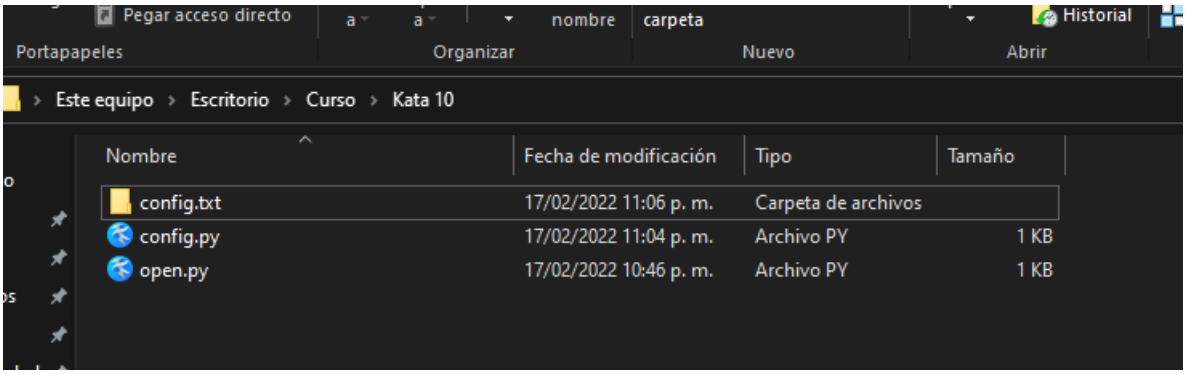


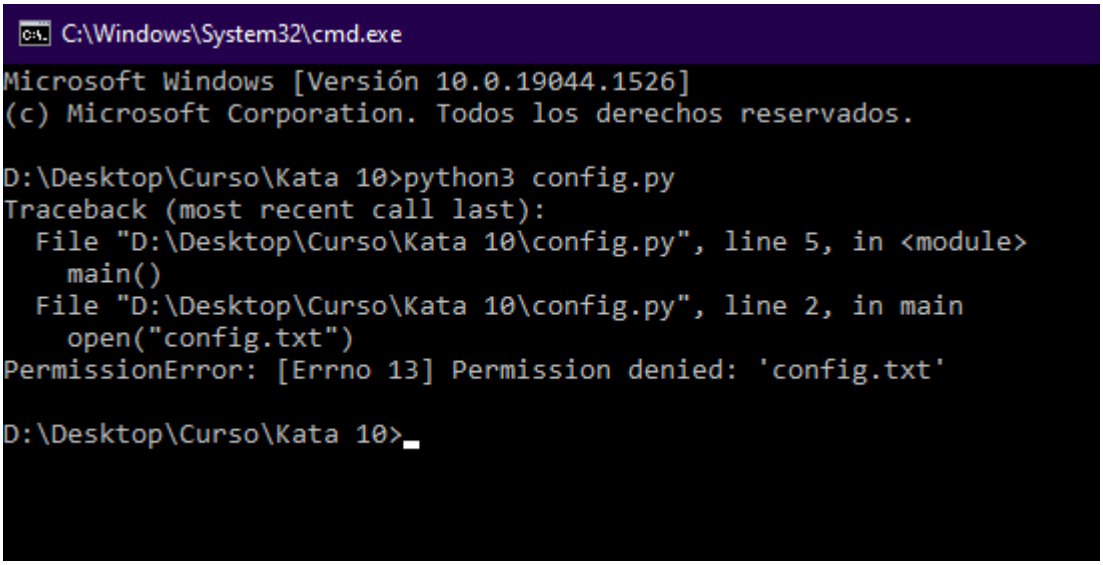
Terminal Help
config.py - Curso - Visual Stud
Módulo 10 - Manejo de errores.md
config.py
open.py
Kata 10 > config.py > main
1 def main():
2 open("config.txt")
3
4 if __name__ == '__main__':
5 main()

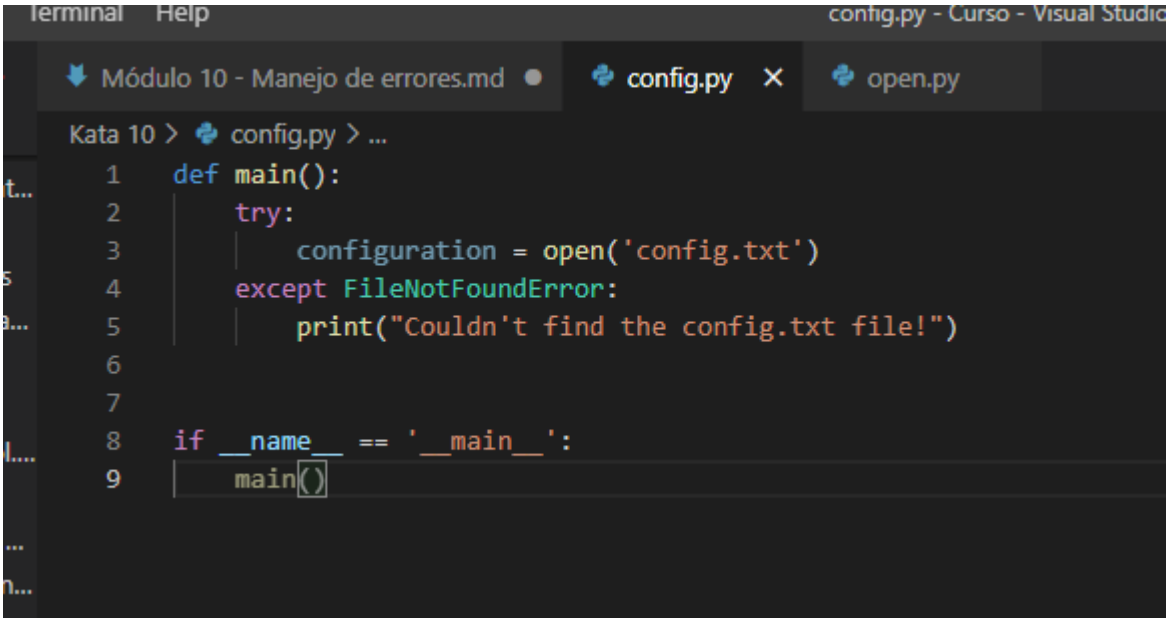

Terminal Help
config.txt - Curso - Visu
Módulo 10 - Manejo de errores.md
config.txt
config.py
Kata 10 > config.txt
1 hola

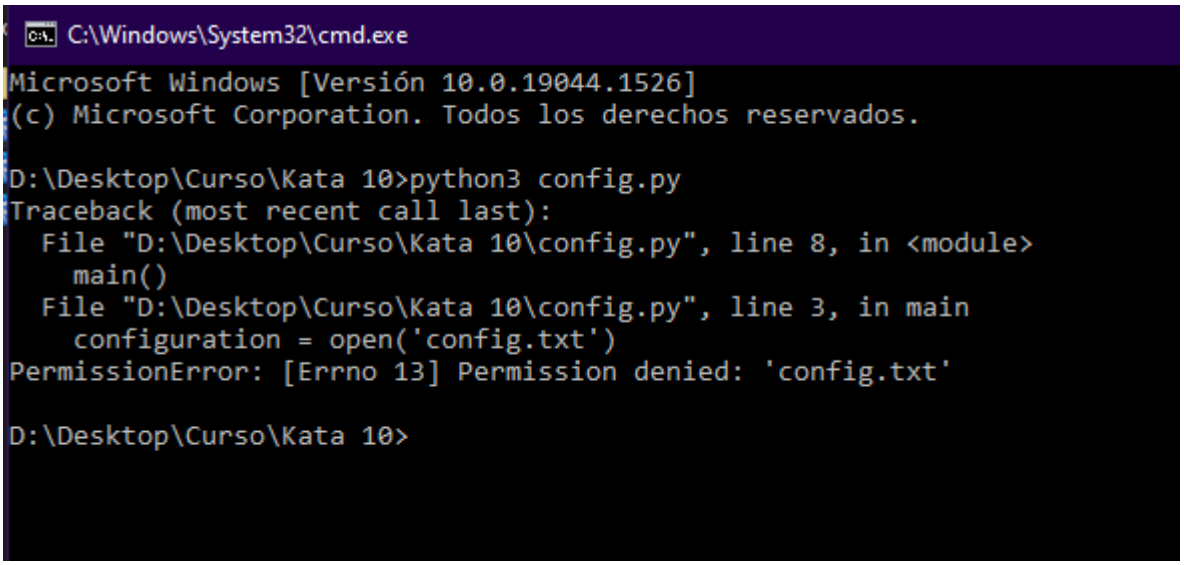

Propiedades de config.txt
General
Seguridad
Detalles
Versiones anteriores
Nombre de objeto: D:\Desktop\Curso\Kata 10\config.txt
Nombres de grupo o usuario:
Usuarios autentificados
SYSTEM
Administradores (ALEXTZ97-M9MOFO\Administradores)
Usuarios (ALEXTZ97-M9MOFO\Usuarios)
Para cambiar los permisos, haga clic en Editar.
Editar...
Permisos de Usuarios autentificados
Permitir
Denegar
Control total
Modificar
Lectura y ejecución
Lectura
Escritura
Permisos especiales
Para especificar permisos especiales o configuraciones avanzadas, haga clic en Opciones avanzadas.
Opciones avanzadas
Aceptar
Cancelar
Aplicar


C:\Windows\System32\cmd.exe
Microsoft Windows [Versión 10.0.19044.1526]
(c) Microsoft Corporation. Todos los derechos reservados.
D:\Desktop\Curso\Kata 10>python3 config.py
Traceback (most recent call last):
File "D:\Desktop\Curso\Kata 10\config.py", line 9, in <module>
main()
File "D:\Desktop\Curso\Kata 10\config.py", line 3, in main
configuration = open('config.txt')
PermissionError: [Errno 13] Permission denied: 'config.txt'
D:\Desktop\Curso\Kata 10>

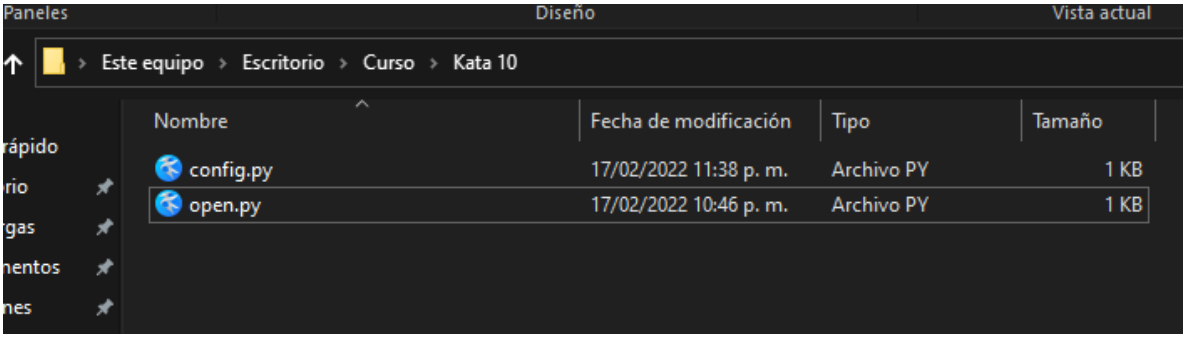

Pegar acceso directo
nombre
carpeta
Historial
Portapapeles
Organizar
Nuevo
Abrir
Este equipo › Escritorio › Curso › Kata 10
Nombre
Fecha de modificación
Tipo
Tamaño
config.txt
17/02/2022 11:06 p. m.
Carpeta de archivos
config.py
17/02/2022 11:04 p. m.
Archivo PY
1 KB
open.py
17/02/2022 10:46 p. m.
Archivo PY
1 KB


C:\Windows\System32\cmd.exe
Microsoft Windows [Versión 10.0.19044.1526]
(c) Microsoft Corporation. Todos los derechos reservados.
D:\Desktop\Curso\Kata 10>python3 config.py
Traceback (most recent call last):
File "D:\Desktop\Curso\Kata 10\config.py", line 5, in <module>
main()
File "D:\Desktop\Curso\Kata 10\config.py", line 2, in main
open("config.txt")
PermissionError: [Errno 13] Permission denied: 'config.txt'
D:\Desktop\Curso\Kata 10>


Terminal
Help
config.py - Curso - Visual Studio
Módulo 10 - Manejo de errores.md
config.py
open.py
Kata 10 > config.py > ...
def main():
try:
configuration = open('config.txt')
except FileNotFoundError:
print("Couldn't find the config.txt file!")
if __name__ == '__main__':
main()


C:\Windows\System32\cmd.exe
Microsoft Windows [Versión 10.0.19044.1526]
(c) Microsoft Corporation. Todos los derechos reservados.
D:\Desktop\Curso\Kata 10>python3 config.py
Traceback (most recent call last):
File "D:\Desktop\Curso\Kata 10\config.py", line 8, in <module>
main()
File "D:\Desktop\Curso\Kata 10\config.py", line 3, in main
configuration = open('config.txt')
PermissionError: [Errno 13] Permission denied: 'config.txt'
D:\Desktop\Curso\Kata 10>

Módulo 10 - Manejo de errores.md
config.py
open.py
Kata 10 > config.py > main
def main():
try:
configuration = open('config.txt')
except FileNotFoundError:
print("Couldn't find the config.txt file!")
except IsADirectoryError:
print("Found config.txt but it is a directory, couldn't read it")
if __name__ == '__main__':
main()


Paneles
Diseño
Vista actual
Este equipo > Escritorio > Curso > Kata 10
Nombre
Fecha de modificación
Tipo
Tamaño
config.py
17/02/2022 11:38 p. m.
Archivo PY
1 KB
open.py
17/02/2022 10:46 p. m.
Archivo PY
1 KB

```
C:\Windows\System32\cmd.exe
Microsoft Windows [Versión 10.0.19044.1526]
(c) Microsoft Corporation. Todos los derechos reservados.

D:\Desktop\Curso\Kata 10>python3 config.py
Couldn't find the config.txt file!

D:\Desktop\Curso\Kata 10>
```

Ejercicio 2

Módulo 10 - Manejo de errores.md | prueba.py

Kata 10 > prueba.py > ...

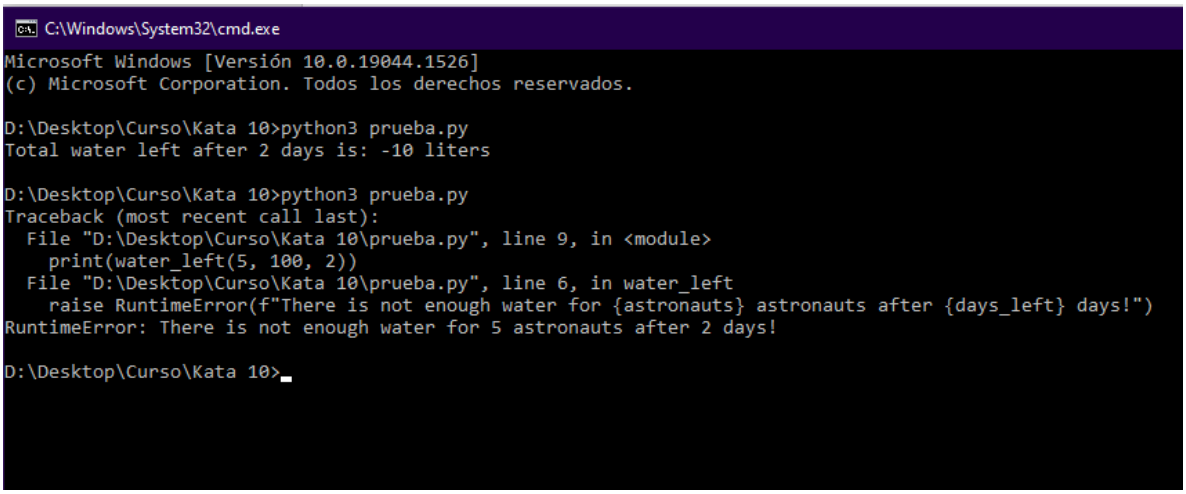
```python
def water_left(astronauts, water_left, days_left):
    daily_usage = astronauts * 11
    total_usage = daily_usage * days_left
    total_water_left = water_left - total_usage
    return f"Total water left after {days_left} days is: {total_water_left} liters"

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

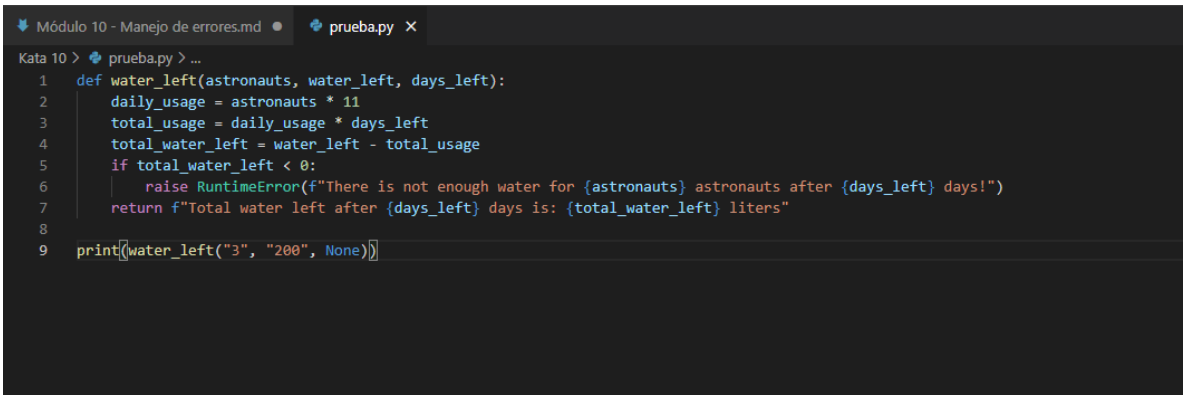
```
C:\Windows\System32\cmd.exe
Microsoft Windows [Versión 10.0.19044.1526]
(c) Microsoft Corporation. Todos los derechos reservados.

D:\Desktop\Curso\Kata 10>python3 prueba.py
Total water left after 2 days is: -10 liters

D:\Desktop\Curso\Kata 10>
```

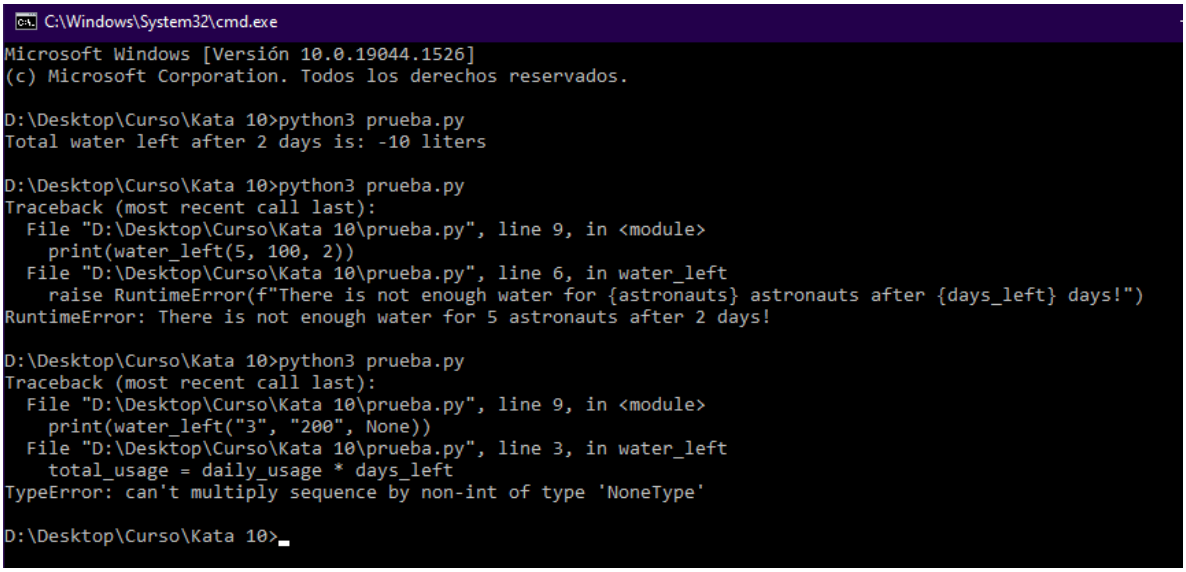
Módulo 10 - Manejo de errores.md | prueba.py

Kata 10 > prueba.py > water_left

```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"

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


C:\Windows\System32\cmd.exe
Microsoft Windows [Versión 10.0.19044.1526]
(c) Microsoft Corporation. Todos los derechos reservados.
D:\Desktop\Curso\Kata 10>python3 prueba.py
Total water left after 2 days is: -10 liters
D:\Desktop\Curso\Kata 10>python3 prueba.py
Traceback (most recent call last):
File "D:\Desktop\Curso\Kata 10\prueba.py", line 9, in <module>
print(water_left(5, 100, 2))
File "D:\Desktop\Curso\Kata 10\prueba.py", line 6, in water_left
raise RuntimeError(f"There is not enough water for {astronauts} astronauts after {days_left} days!")
RuntimeError: There is not enough water for 5 astronauts after 2 days!
D:\Desktop\Curso\Kata 10>


Módulo 10 - Manejo de errores.md
prueba.py
Kata 10 > prueba.py > ...
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"
print(water_left("3", "200", None))


C:\Windows\System32\cmd.exe
Microsoft Windows [Versión 10.0.19044.1526]
(c) Microsoft Corporation. Todos los derechos reservados.
D:\Desktop\Curso\Kata 10>python3 prueba.py
Total water left after 2 days is: -10 liters
D:\Desktop\Curso\Kata 10>python3 prueba.py
Traceback (most recent call last):
File "D:\Desktop\Curso\Kata 10\prueba.py", line 9, in <module>
print(water_left(5, 100, 2))
File "D:\Desktop\Curso\Kata 10\prueba.py", line 6, in water_left
raise RuntimeError(f"There is not enough water for {astronauts} astronauts after {days_left} days!")
RuntimeError: There is not enough water for 5 astronauts after 2 days!
D:\Desktop\Curso\Kata 10>python3 prueba.py
Traceback (most recent call last):
File "D:\Desktop\Curso\Kata 10\prueba.py", line 9, in <module>
print(water_left("3", "200", None))
File "D:\Desktop\Curso\Kata 10\prueba.py", line 3, in water_left
total_usage = daily_usage * days_left
TypeError: can't multiply sequence by non-int of type 'NoneType'
D:\Desktop\Curso\Kata 10>

Módulo 10 - Manejo de errores.md ● prueba.py ×

Kata 10 > prueba.py > water_left

```python
def water_left(astronauts, water_left, days_left):
    for argument in [astronauts, water_left, days_left]:
        try:
            # If argument is an int, the following operation will work
            argument / 10
        except TypeError:
            # TypError will be raised only if it isn't the right type
            # Raise the same exception but with a better error message
            raise TypeError(f"All arguments must be of type int, but received: '{argument}'")
    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"

print(water_left("3", "200", None))
```

C:\Windows\System32\cmd.exe

```
  File "D:\Desktop\Curso\Kata 10\prueba.py", line 9, in <module>
    print(water_left(5, 100, 2))
  File "D:\Desktop\Curso\Kata 10\prueba.py", line 6, in water_left
    raise RuntimeError(f"There is not enough water for {astronauts} astronauts after {days_left} days!")
RuntimeError: There is not enough water for 5 astronauts after 2 days!

D:\Desktop\Curso\Kata 10>python3 prueba.py
Traceback (most recent call last):
  File "D:\Desktop\Curso\Kata 10\prueba.py", line 9, in <module>
    print(water_left("3", "200", None))
  File "D:\Desktop\Curso\Kata 10\prueba.py", line 3, in water_left
    total_usage = daily_usage * days_left
TypeError: can't multiply sequence by non-int of type 'NoneType'

D:\Desktop\Curso\Kata 10>python3 prueba.py
Traceback (most recent call last):
  File "D:\Desktop\Curso\Kata 10\prueba.py", line 5, in water_left
    argument / 10
TypeError: unsupported operand type(s) for /: 'str' and 'int'

During handling of the above exception, another exception occurred:

Traceback (most recent call last):
  File "D:\Desktop\Curso\Kata 10\prueba.py", line 17, in <module>
    print(water_left("3", "200", None))
  File "D:\Desktop\Curso\Kata 10\prueba.py", line 9, in water_left
    raise TypeError(f"All arguments must be of type int, but received: '{argument}'")
TypeError: All arguments must be of type int, but received: '3'

D:\Desktop\Curso\Kata 10>
```