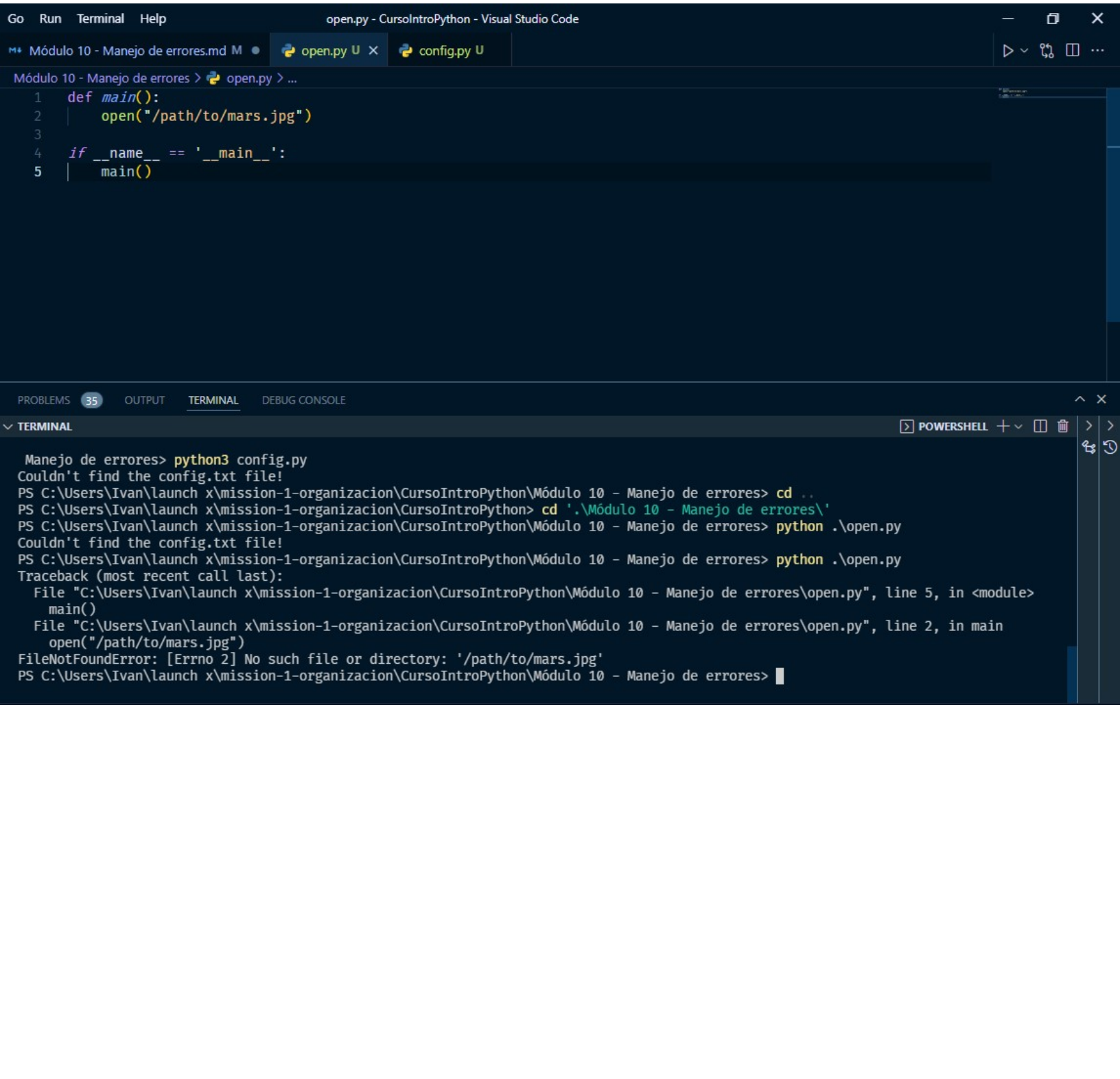
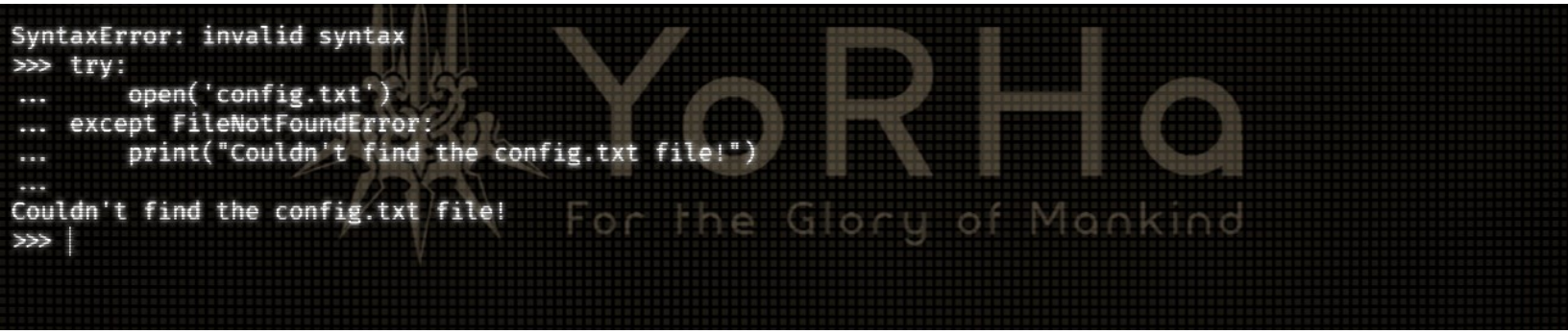
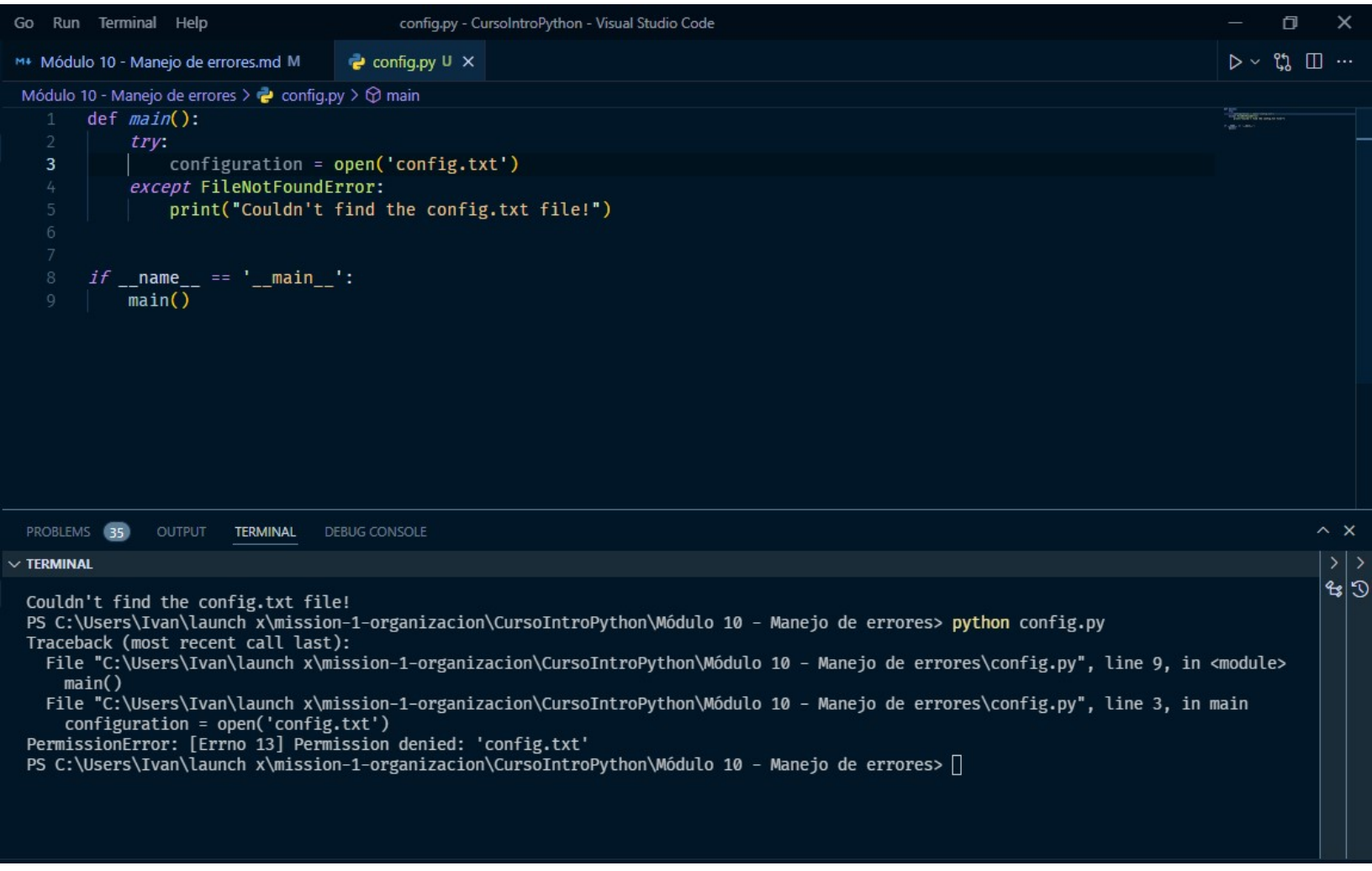
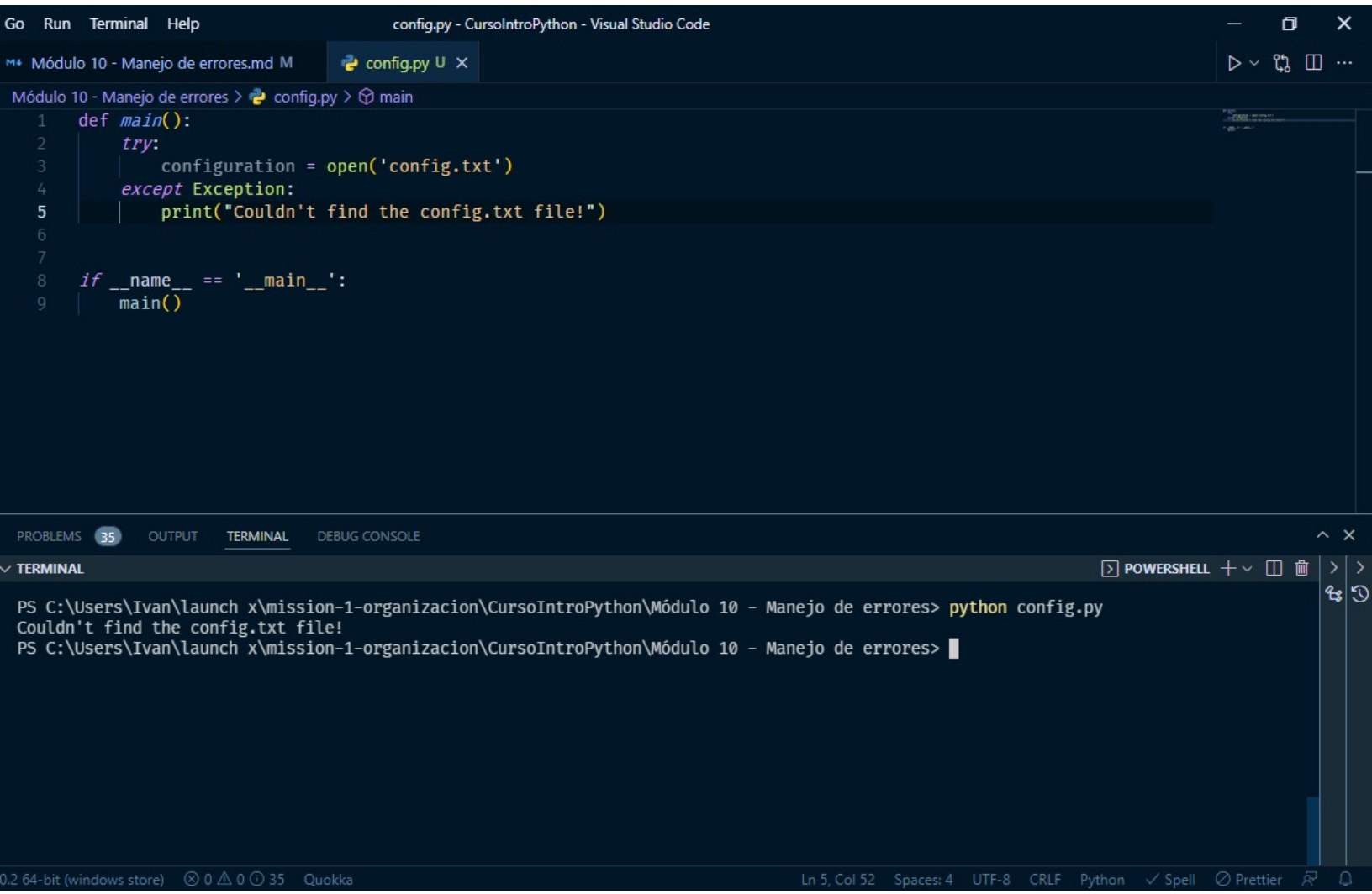
```
>>> open('/path/to/mars.jpg')
Traceback (most recent call last):
  File "<stdin>", line 1, in <module>
FileNotFoundError: [Errno 2] No such file or directory: '/path/to/mars.jpg'
>>> |
```


Go Run Terminal Help
open.py - CursoIntroPython - Visual Studio Code
Módulo 10 - Manejo de errores.md M
open.py U
config.py U
Módulo 10 - Manejo de errores > open.py > ...
1 def main():
2 open("/path/to/mars.jpg")
3
4 if __name__ == '__main__':
5 main()
PROBLEMS 35
OUTPUT
TERMINAL
DEBUG CONSOLE
TERMINAL
POWERSHELL
Manejo de errores> python3 config.py
Couldn't find the config.txt file!
PS C:\Users\Ivan\launch x\mission-1-organizacion\CursoIntroPython\Módulo 10 - Manejo de errores> cd ..
PS C:\Users\Ivan\launch x\mission-1-organizacion\CursoIntroPython> cd '.\Módulo 10 - Manejo de errores\'
PS C:\Users\Ivan\launch x\mission-1-organizacion\CursoIntroPython\Módulo 10 - Manejo de errores> python .\open.py
Couldn't find the config.txt file!
PS C:\Users\Ivan\launch x\mission-1-organizacion\CursoIntroPython\Módulo 10 - Manejo de errores> python .\open.py
Traceback (most recent call last):
File "C:\Users\Ivan\launch x\mission-1-organizacion\CursoIntroPython\Módulo 10 - Manejo de errores\open.py", line 5, in <module>
main()
File "C:\Users\Ivan\launch x\mission-1-organizacion\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'
PS C:\Users\Ivan\launch x\mission-1-organizacion\CursoIntroPython\Módulo 10 - Manejo de errores>


SyntaxError: invalid syntax
>>> try:
...   open('config.txt')
... except FileNotFoundError:
...   print("Couldn't find the config.txt file!")
...
Couldn't find the config.txt file!
>>>
YoRHa
For the Glory of Mankind


Go Run Terminal Help
config.py - CursoIntroPython - Visual Studio Code
Módulo 10 - Manejo de errores.md M
config.py U
Módulo 10 - Manejo de errores > config.py > main
def main():
try:
configuration = open('config.txt')
except FileNotFoundError:
print("Couldn't find the config.txt file!")
if __name__ == '__main__':
main()
PROBLEMS 35
OUTPUT
TERMINAL
DEBUG CONSOLE
TERMINAL
Couldn't find the config.txt file!
PS C:\Users\Ivan\launch x\mission-1-organizacion\CursoIntroPython\Módulo 10 - Manejo de errores> python config.py
Traceback (most recent call last):
File "C:\Users\Ivan\launch x\mission-1-organizacion\CursoIntroPython\Módulo 10 - Manejo de errores\config.py", line 9, in <module>
main()
File "C:\Users\Ivan\launch x\mission-1-organizacion\CursoIntroPython\Módulo 10 - Manejo de errores\config.py", line 3, in main
configuration = open('config.txt')
PermissionError: [Errno 13] Permission denied: 'config.txt'
PS C:\Users\Ivan\launch x\mission-1-organizacion\CursoIntroPython\Módulo 10 - Manejo de errores>


Go Run Terminal Help
config.py - CursoIntroPython - Visual Studio Code
Módulo 10 - Manejo de errores.md M
config.py U
Módulo 10 - Manejo de errores > config.py > main
def main():
try:
configuration = open('config.txt')
except Exception:
print("Couldn't find the config.txt file!")
if __name__ == '__main__':
main()
PROBLEMS 35
OUTPUT
TERMINAL
DEBUG CONSOLE
TERMINAL
POWERSHELL
PS C:\Users\Ivan\launch x\mission-1-organizacion\CursoIntroPython\Módulo 10 - Manejo de errores> python config.py
Couldn't find the config.txt file!
PS C:\Users\Ivan\launch x\mission-1-organizacion\CursoIntroPython\Módulo 10 - Manejo de errores>
0.2 64-bit (windows store)
0 0 35
Quokka
Ln 5, Col 52
Spaces: 4
UTF-8
CRLF
Python
Spell
Prettier

Go Run Terminal Help config.py - CursoIntroPython - Visual Studio Code

Módulo 10 - Manejo de errores.md M | config.py U

Módulo 10 - Manejo de errores > config.py > ...

```python
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()
```

PROBLEMS 35 OUTPUT TERMINAL DEBUG CONSOLE

TERMINAL POWERSHELL

```
PS C:\Users\Ivan\launch x\mission-1-organizacion\CursoIntroPython\Módulo 10 - Manejo de errores> python config.py
Couldn't find the config.txt file!
PS C:\Users\Ivan\launch x\mission-1-organizacion\CursoIntroPython\Módulo 10 - Manejo de errores> python3 config.py
Traceback (most recent call last):
  File "C:\Users\Ivan\launch x\mission-1-organizacion\CursoIntroPython\Módulo 10 - Manejo de errores\config.py", line 11, in <module>
    main()
  File "C:\Users\Ivan\launch x\mission-1-organizacion\CursoIntroPython\Módulo 10 - Manejo de errores\config.py", line 3, in main
    configuration = open('config.txt')
PermissionError: [Errno 13] Permission denied: 'config.txt'
PS C:\Users\Ivan\launch x\mission-1-organizacion\CursoIntroPython\Módulo 10 - Manejo de errores>
```

```
PS C:\Users\Ivan\launch x\mission-1-organizacion\CursoIntroPython\Módulo 10 - Manejo de errores> rm  config.txt
PS C:\Users\Ivan\launch x\mission-1-organizacion\CursoIntroPython\Módulo 10 - Manejo de errores> python3 config.py
Couldn't find the config.txt file!
PS C:\Users\Ivan\launch x\mission-1-organizacion\CursoIntroPython\Módulo 10 - Manejo de errores>
```

2 64-bit (windows store) ⊗ 0 ⚠ 0 ⓘ 35 Quokka Line 322 Count 17664 ✓ Spell

Módulo 10 - Manejo de errores.md M ● | open.py U | config.py U ×

Módulo 10 - Manejo de errores > config.py > main

```python
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")
    except (BlockingIOError, TimeoutError):
        print("Filesystem under heavy load, can't complete reading configuration file")

if __name__ == '__main__':
    main()
```

PROBLEMS 35 | OUTPUT | TERMINAL | DEBUG CONSOLE

TERMINAL — POWERSHELL

```
Couldn't find the config.txt file!
PS C:\Users\Ivan\launch x\mission-1-organizacion\CursoIntroPython\Módulo 10 - Manejo de errores> cd ..
PS C:\Users\Ivan\launch x\mission-1-organizacion\CursoIntroPython> cd '.\Módulo 10 - Manejo de errores\'
PS C:\Users\Ivan\launch x\mission-1-organizacion\CursoIntroPython\Módulo 10 - Manejo de errores> python .\open.py
Couldn't find the config.txt file!
PS C:\Users\Ivan\launch x\mission-1-organizacion\CursoIntroPython\Módulo 10 - Manejo de errores> python .\open.py
Traceback (most recent call last):
  File "C:\Users\Ivan\launch x\mission-1-organizacion\CursoIntroPython\Módulo 10 - Manejo de errores\open.py", line 5, in <module>
    main()
  File "C:\Users\Ivan\launch x\mission-1-organizacion\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'
PS C:\Users\Ivan\launch x\mission-1-organizacion\CursoIntroPython\Módulo 10 - Manejo de errores> python config.py
Couldn't find the config.txt file!
PS C:\Users\Ivan\launch x\mission-1-organizacion\CursoIntroPython\Módulo 10 - Manejo de errores>
```

10.2 64-bit (windows store) ⊗ 0 ⚠ 0 ⓘ 35 Quokka | Ln 9, Col 88 | Spaces: 4 | UTF-8 | CRLF | Python | ✓ Spell | ⊘ Prettier

```
>>> 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'
>>>
```

```
>>> try:
...     open("config.txt")
... except OSError as err:
...     if err.errno == 2:
...         print("Coundn't find the config.txt file!")
...     elif err.errno == 13:
...         print("Found config.txt but couldn't read it")
...
Coundn't find the config.txt file!
>>>
```

```
>>> 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'
>>>
```

```
>>> 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!
>>>
```

```
>>> water_left("3", "200", None)
Traceback (most recent call last):
  File "<stdin>", line 1, in <module>
  File "<stdin>", line 3, in water_left
TypeError: can't multiply sequence by non-int of type 'NoneType'
>>> 
```

```
>>> 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"
...
>>> water_left('3',''200', None)
  File "<stdin>", line 1
    water_left('3',''200', None)
                   ^
SyntaxError: unterminated string literal (detected at line 1)
>>> 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'
>>>
```

YoRHa
For the Glory of Mankind