

Visual Studio Code interface showing a Python file named `open.py` and a terminal window displaying a runtime error.

EXPLORER

- OPEN EDITORS
 - `open.py`
- CURSOINTROPYTHON
 - `config.py`
 - `excepciones.py`
 - Módulo 10 - Manejo de errores.md
 - Módulo0Katas.ipynb
 - Módulo1Katas.ipynb
 - Módulo2Katas.pdf
 - Módulo3Katas.ipynb
 - Módulo4Katas.ipynb
 - Módulo5Katas.ipynb
 - Módulo6Katas.ipynb
 - Módulo7Katas.ipynb
 - Módulo8Katas.ipynb
 - Módulo9Katas.ipynb
 - `open.py`
 - `ship-manual.ipynb`
- OUTLINE

open.py

```
1 # Tracebacks
2 def main():
3     open("/path/to/mars.jpg")
4
5 if __name__ == '__main__':
6     main()
```

Símbolo del sistema

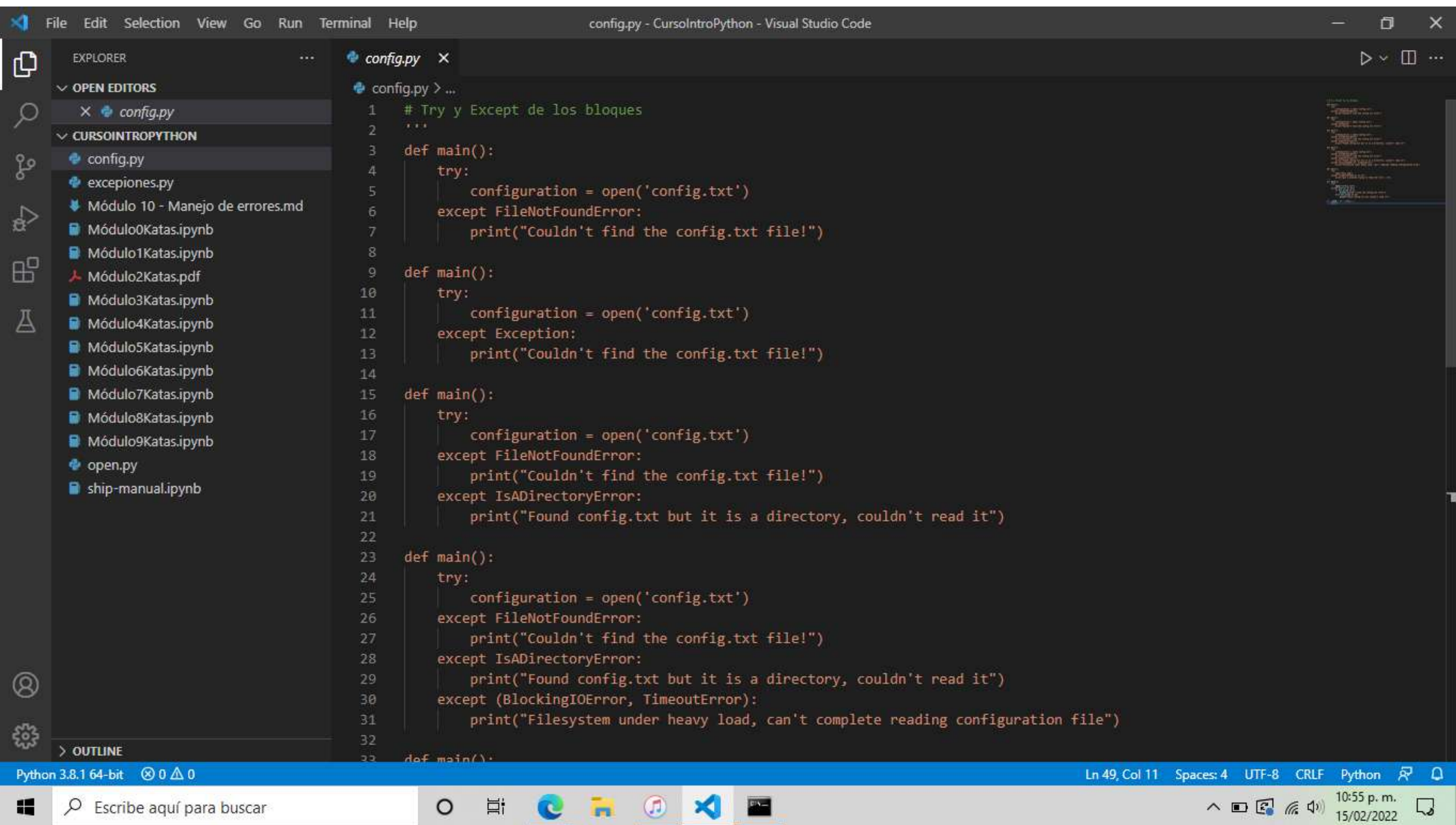
```
Microsoft Windows [Versión 10.0.19044.1526]
(c) Microsoft Corporation. Todos los derechos reservados.

C:\Users\elvia>cd Desktop
C:\Users\elvia\Desktop>cd CursoIntroPython
C:\Users\elvia\Desktop\CursoIntroPython>open.py
Traceback (most recent call last):
  File "C:\Users\elvia\Desktop\CursoIntroPython\open.py", line 6, in <module>
    main()
  File "C:\Users\elvia\Desktop\CursoIntroPython\open.py", line 3, in main
    open("/path/to/mars.jpg")
FileNotFoundError: [Errno 2] No such file or directory: '/path/to/mars.jpg'

C:\Users\elvia\Desktop\CursoIntroPython>
```

Python 3.8.1 64-bit

Windows taskbar: 10:50 p. m., 15/02/2022



File Edit Selection View Go Run Terminal Help

config.py - CursolntroPython - Visual Studio Code

EXPLORER

OPEN EDITORS

config.py

CURSOINTROPYTHON

config.py

excepciones.py

Módulo 10 - Manejo de errores.md

Módulo0Katas.ipynb

Módulo1Katas.ipynb

Módulo2Katas.pdf

Módulo3Katas.ipynb

Módulo4Katas.ipynb

Módulo5Katas.ipynb

Módulo6Katas.ipynb

Módulo7Katas.ipynb

Módulo8Katas.ipynb

Módulo9Katas.ipynb

open.py

ship-manual.ipynb

OUTLINE

config.py

config.py > ...

```
19 print('Couldn\'t find the config.txt file!')
20 except IsADirectoryError:
21     print("Found config.txt but it is a directory, couldn't read it")
22
23 def main():
24     try:
25         configuration = open('config.txt')
26     except FileNotFoundError:
27         print("Couldn't find the config.txt file!")
28     except IsADirectoryError:
29         print("Found config.txt but it is a directory, couldn't read it")
30     except (BlockingIOError, TimeoutError):
31         print("Filesystem under heavy load, can't complete reading configuration file")
32
33 def main():
34     try:
35         open("mars.jpg")
36     except FileNotFoundError as err:
37         print("got a problem trying to read the file:", err)
38     ...
39 def main():
40     try:
41         open("config.txt")
42     except OSError as err:
43         if err.errno == 2:
44             print("Couldn't find the config.txt file!")
45         elif err.errno == 13:
46             print("Found config.txt but couldn't read it")
47
48 if __name__ == '__main__':
49     main()
```

Python 3.8.1 64-bit

Ln 49, Col 11

Spaces: 4

UTF-8

CRLF

Python

10:55 p. m.

15/02/2022

Visual Studio Code interface showing a Python file named `config.py` and a system command prompt window.

Visual Studio Code Explorer:

- EXPLORER
 - OPEN EDITORS
 - `config.py`
 - CURSOINTROPYTHON
 - `config.py`
 - `excepciones.py`
 - Módulo 10 - Manejo de errores.md
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 - Módulo4Katas.ipynb
 - Módulo5Katas.ipynb
 - Módulo6Katas.ipynb
 - Módulo7Katas.ipynb
 - Módulo8Katas.ipynb
 - Módulo9Katas.ipynb
 - `open.py`
 - `ship-manual.ipynb`

config.py Code:

```
1 # Try y Except de los bloques
2
3 def main():
4     try:
5         configuration = open('config.txt')
6     except FileNotFoundError:
7         print("Couldn't find the config.txt file!")
```

System Command Prompt (Símbolo del sistema):

```
Microsoft Windows [Versión 10.0.19044.1526]
(c) Microsoft Corporation. Todos los derechos reservados.

C:\Users\elvia>cd Desktop

C:\Users\elvia\Desktop>cd CursoIntroPython

C:\Users\elvia\Desktop\CursoIntroPython>config.py
Couldn't find the config.txt file!

C:\Users\elvia\Desktop\CursoIntroPython>
```

Taskbar:

- Python 3.8.1 64-bit
- Search: Escribe aquí para buscar
- System tray: 10:56 p. m., 15/02/2022

Visual Studio Code interface showing a Python file named `config.py` and a terminal window.

EXPLORER

- OPEN EDITORS
 - `config.py`
- CURSOINTROPYTHON
 - `config.txt`
 - `config.py`
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 - Módulo 10 - Manejo de errores.md
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 - Módulo3Katas.ipynb
 - Módulo4Katas.ipynb
 - Módulo5Katas.ipynb
 - Módulo6Katas.ipynb
 - Módulo7Katas.ipynb
 - Módulo8Katas.ipynb
 - Módulo9Katas.ipynb
 - `open.py`
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- OUTLINE

config.py

```
1 # Try y Except de los bloques
2
3 def main():
4     try:
5         configuration = open('config.txt')
6     except FileNotFoundError:
7         print("Couldn't find the config.txt file!")
```

Símbolo del sistema

```
Microsoft Windows [Versión 10.0.19044.1526]
(c) Microsoft Corporation. Todos los derechos reservados.

C:\Users\elvia>cd Desktop

C:\Users\elvia\Desktop>cd CursoIntroPython

C:\Users\elvia\Desktop\CursoIntroPython>config.py
Couldn't find the config.txt file!

C:\Users\elvia\Desktop\CursoIntroPython>config.py
Traceback (most recent call last):
  File "C:\Users\elvia\Desktop\CursoIntroPython\config.py", line 49, in <module>
    main()
  File "C:\Users\elvia\Desktop\CursoIntroPython\config.py", line 5, in main
    configuration = open('config.txt')
PermissionError: [Errno 13] Permission denied: 'config.txt'

C:\Users\elvia\Desktop\CursoIntroPython>
```

Python 3.8.1 64-bit

Python 3.8.1 64-bit

Escribe aquí para buscar

10:59 p. m. 15/02/2022

Visual Studio Code interface showing a Python file named `config.py` and a terminal window.

EXPLORER

- OPEN EDITORS
 - `config.py`
- CURSOINTROPYTHON
 - `config.txt`
 - `config.py`
 - `excepciones.py`
 - Módulo 10 - Manejo de errores...
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 - Módulo1Katas.ipynb
 - Módulo2Katas.pdf
 - Módulo3Katas.ipynb
 - Módulo4Katas.ipynb
 - Módulo5Katas.ipynb
 - Módulo6Katas.ipynb
 - Módulo7Katas.ipynb
 - Módulo8Katas.ipynb
 - Módulo9Katas.ipynb
 - `open.py`
 - `ship-manual.ipynb`
- OUTLINE

config.py

```
9 def main():
10     try:
11         configuration = open('config.txt')
12     except Exception:
13         print("Couldn't find the config.txt file!")
```

Terminal

```
Microsoft Windows [Versión 10.0.19044.1526]
(c) Microsoft Corporation. Todos los derechos reservados.

C:\Users\elvia>cd Desktop

C:\Users\elvia\Desktop>cd CursoIntroPython

C:\Users\elvia\Desktop\CursoIntroPython>config.py
Couldn't find the config.txt file!

C:\Users\elvia\Desktop\CursoIntroPython>config.py
Traceback (most recent call last):
  File "C:\Users\elvia\Desktop\CursoIntroPython\config.py", line 49, in <module>
    main()
  File "C:\Users\elvia\Desktop\CursoIntroPython\config.py", line 5, in main
    configuration = open('config.txt')
PermissionError: [Errno 13] Permission denied: 'config.txt'

C:\Users\elvia\Desktop\CursoIntroPython>config.py
Couldn't find the config.txt file!

C:\Users\elvia\Desktop\CursoIntroPython>
```

Python 3.8.1 64-bit | 0 | 0 | 0 | Ln 14, Col 4 | Spaces: 4 | UTF-8 | CRLF | Python

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11:01 p. m. 15/02/2022

Visual Studio Code interface showing a Python file named `config.py` and a terminal window.

EXPLORER

- OPEN EDITORS
 - `config.py`
- CURSOINTROPYTHON
 - `config.txt`
 - `config.py`
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 - Módulo6Katas.ipynb
 - Módulo7Katas.ipynb
 - Módulo8Katas.ipynb
 - Módulo9Katas.ipynb
 - `open.py`
 - `ship-manual.ipynb`
- OUTLINE

config.py

```
1 # Try y Except de los bloques
2 ...
3 def main():
4     try:
5         configuration = open('config.txt')
6     except FileNotFoundError:
```

Terminal

```
C:\Users\elvia\Desktop\CursoIntroPython>config.py
Found config.txt but it is a directory, couldn't read it
C:\Users\elvia\Desktop\CursoIntroPython>_
```

System Symbol (Simbolo del sistema)

Python 3.8.1 64-bit

Ln 4, Col 9 Spaces: 4 UTF-8 CRLF Python

11:07 p. m. 15/02/2022

Visual Studio Code interface showing a Python script named `config.py` and a system terminal window.

Visual Studio Code Explorer:

- EXPLORER
 - OPEN EDITORS
 - `config.py`
 - CURSOINTROPYTHON
 - `config.py`
 - `excepciones.py`
 - Módulo 10 - Manejo de errores.md
 - Módulo0Katas.ipynb
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 - Módulo2Katas.pdf
 - Módulo3Katas.ipynb
 - Módulo4Katas.ipynb
 - Módulo5Katas.ipynb
 - Módulo6Katas.ipynb
 - Módulo7Katas.ipynb
 - Módulo8Katas.ipynb
 - Módulo9Katas.ipynb
 - `open.py`
 - `ship-manual.ipynb`

config.py Code:

```
15 def main():
16     try:
17         configuration = open('config.txt')
18     except FileNotFoundError:
19         print("Couldn't find the config.txt file!")
20     except IsADirectoryError:
21         print("Found config.txt but it is a directory, couldn't read it")
```

System Terminal (Símbolo del sistema):

```
C:\Users\elvia\Desktop\CursoIntroPython>config.py
Found config.txt but it is a directory, couldn't read it

C:\Users\elvia\Desktop\CursoIntroPython>config.py
Couldn't find the config.txt file!

C:\Users\elvia\Desktop\CursoIntroPython>
```

Python 3.8.1 64-bit

Visual Studio Code interface showing a Python script named `config.py` and its execution output in a terminal window.

EXPLORER

- OPEN EDITORS
 - `config.py`
- CURSOINTROPYTHON
 - `config.py`
 - `excepciones.py`
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 - Módulo3Katas.ipynb
 - Módulo4Katas.ipynb
 - Módulo5Katas.ipynb
 - Módulo6Katas.ipynb
 - Módulo7Katas.ipynb
 - Módulo8Katas.ipynb
 - Módulo9Katas.ipynb
 - `open.py`
 - `ship-manual.ipynb`
- OUTLINE

config.py

```
23 def main():
24     try:
25         configuration = open('config.txt')
26     except FileNotFoundError:
27         print("Couldn't find the config.txt file!")
28     except IsADirectoryError:
29         print("Found config.txt but it is a directory, couldn't read it")
30     except (BlockingIOError, TimeoutError):
31         print("Filesystem under heavy load, can't complete reading configuration file")
```

Símbolo del sistema

```
C:\Users\elvia\Desktop\CursoIntroPython>config.py
Found config.txt but it is a directory, couldn't read it

C:\Users\elvia\Desktop\CursoIntroPython>config.py
Couldn't find the config.txt file!

C:\Users\elvia\Desktop\CursoIntroPython>config.py
Couldn't find the config.txt file!

C:\Users\elvia\Desktop\CursoIntroPython>
```

Python 3.8.1 64-bit

Windows taskbar: 11:10 p.m. 15/02/2022

Visual Studio Code interface showing a Python script execution and its output.

EXPLORER

- OPEN EDITORS
 - config.py
- CURSOINTROPYTHON
 - config.py
 - excepciones.py
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 - Módulo0Katas.ipynb
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 - Módulo3Katas.ipynb
 - Módulo4Katas.ipynb
 - Módulo5Katas.ipynb
 - Módulo6Katas.ipynb
 - Módulo7Katas.ipynb
 - Módulo8Katas.ipynb
 - Módulo9Katas.ipynb
 - open.py
 - ship-manual.ipynb
- OUTLINE

config.py

```
33 def main():
34     try:
35         open("mars.jpg")
36     except FileNotFoundError as err:
37         print("got a problem trying to read the file:", err)
```

Símbolo del sistema

```
C:\Users\elvia\Desktop\CursoIntroPython>config.py
Found config.txt but it is a directory, couldn't read it

C:\Users\elvia\Desktop\CursoIntroPython>config.py
Couldn't find the config.txt file!

C:\Users\elvia\Desktop\CursoIntroPython>config.py
Couldn't find the config.txt file!

C:\Users\elvia\Desktop\CursoIntroPython>config.py
got a problem trying to read the file: [Errno 2] No such file or directory: 'mars.jpg'

C:\Users\elvia\Desktop\CursoIntroPython>
```

Python 3.8.1 64-bit 0 0 0 Ln 32, Col 4 Spaces: 4 UTF-8 CRLF Python

Escribe aquí para buscar

11:10 p. m. 15/02/2022

Visual Studio Code interface showing the Explorer, Editor, and Terminal panels.

EXPLORER

- OPEN EDITORS
 - config.py
- CURSOINTROPYTHON
 - config.py
 - excepciones.py
 - Módulo 10 - Manejo de errores.md
 - Módulo0Katas.ipynb
 - Módulo1Katas.ipynb
 - Módulo2Katas.pdf
 - Módulo3Katas.ipynb
 - Módulo4Katas.ipynb
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 - Módulo6Katas.ipynb
 - Módulo7Katas.ipynb
 - Módulo8Katas.ipynb
 - Módulo9Katas.ipynb
 - open.py
 - ship-manual.ipynb

OUTLINE

Python 3.8.1 64-bit 0 0 0

config.py

```
39 def main():
40     try:
41         open("config.txt")
42     except OSError as err:
43         if err.errno == 2:
44             print("Couldn't find the config.txt file!")
45         elif err.errno == 13:
46             print("Found config.txt but couldn't read it")
47
48 if __name__ == '__main__':
49     main()
```

Simbolo del sistema

```
C:\Users\elvia\Desktop\CursoIntroPython>config.py
Found config.txt but it is a directory, couldn't read it

C:\Users\elvia\Desktop\CursoIntroPython>config.py
Couldn't find the config.txt file!

C:\Users\elvia\Desktop\CursoIntroPython>config.py
Couldn't find the config.txt file!

C:\Users\elvia\Desktop\CursoIntroPython>config.py
got a problem trying to read the file: [Errno 2] No such file or directory: 'mars.jpg'

C:\Users\elvia\Desktop\CursoIntroPython>config.py
Couldn't find the config.txt file!

C:\Users\elvia\Desktop\CursoIntroPython>
```


File Edit Selection View Go Run Terminal Help

excepciones.py - CursoIntroPython - Visual Studio Code

EXPLORER

OPEN EDITORS

CURSOINTROPYTHON

config.py

excepciones.py

Módulo 10 - Manejo de errores.md

Módulo0Katas.ipynb

Módulo1Katas.ipynb

Módulo2Katas.pdf

Módulo3Katas.ipynb

Módulo4Katas.ipynb

Módulo5Katas.ipynb

Módulo6Katas.ipynb

Módulo7Katas.ipynb

Módulo8Katas.ipynb

Módulo9Katas.ipynb

open.py

ship-manual.ipynb

OUTLINE

excepciones.py

excepciones.py > ...

```
1 # Generación de excepciones
2 ...
3 def water_left(astronauts, water_left, days_left):
4     daily_usage = astronauts * 11
5     total_usage = daily_usage * days_left
6     total_water_left = water_left - total_usage
7     return f"Total water left after {days_left} days is: {total_water_left} liters"
8
9 def water_left(astronauts, water_left, days_left):
10    daily_usage = astronauts * 11
11    total_usage = daily_usage * days_left
12    total_water_left = water_left - total_usage
13    if total_water_left < 0:
14        raise RuntimeError(f"There is not enough water for {astronauts} astronauts after {days_left} days!")
15    return f"Total water left after {days_left} days is: {total_water_left} liters"
16 ...
17 # print(water_left(5, 100, 2))
18
19 def water_left(astronauts, water_left, days_left):
20     for argument in [astronauts, water_left, days_left]:
21         try:
22             # If argument is an int, the following operation will work
23             argument / 10
24         except TypeError:
25             # TypeError will be raised only if it isn't the right type
26             # Raise the same exception but with a better error message
27             raise TypeError(f"All arguments must be of type int, but received: '{argument}'")
28     daily_usage = astronauts * 11
29     total_usage = daily_usage * days_left
30     total_water_left = water_left - total_usage
31     if total_water_left < 0:
32         raise RuntimeError(f"There is not enough water for {astronauts} astronauts after {days_left} days!")
33     return f"Total water left after {days_left} days is: {total_water_left} liters"
```

Python 3.8.1 64-bit

Ln 9, Col 17 Spaces: 4 UTF-8 CRLF Python

Escribe aquí para buscar

11:12 p. m. 15/02/2022

File Edit Selection View Go Run Terminal Help excepciones.py - CursoIntroPython - Visual Studio Code

EXPLORER

OPEN EDITORS

- excepciones.py

CURSOINTROPYTHON

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- Módulo6Katas.ipynb
- Módulo7Katas.ipynb
- Módulo8Katas.ipynb
- Módulo9Katas.ipynb
- open.py
- ship-manual.ipynb

OUTLINE

```
11 total_usage = daily_usage * days_left
12 total_water_left = water_left - total_usage
13 if total_water_left < 0:
14     raise RuntimeError(f"There is not enough water for {astronauts} astronauts after {days_left} days!")
15 return f"Total water left after {days_left} days is: {total_water_left} liters"
16 ...
17 # print(water_left(5, 100, 2))
18
19 def water_left(astronauts, water_left, days_left):
20     for argument in [astronauts, water_left, days_left]:
21         try:
22             # If argument is an int, the following operation will work
23             argument / 10
24         except TypeError:
25             # TypeError will be raised only if it isn't the right type
26             # Raise the same exception but with a better error message
27             raise TypeError(f"All arguments must be of type int, but received: '{argument}'")
28     daily_usage = astronauts * 11
29     total_usage = daily_usage * days_left
30     total_water_left = water_left - total_usage
31     if total_water_left < 0:
32         raise RuntimeError(f"There is not enough water for {astronauts} astronauts after {days_left} days!")
33     return f"Total water left after {days_left} days is: {total_water_left} liters"
34
35 def main():
36     try:
37         water_left(3, 200, None)
38     except RuntimeError as err:
39         print("alert_navigation_system(err)")
40
41 if __name__ == '__main__':
42     main()
```

Python 3.8.1 64-bit 0 0 0 Ln 9, Col 17 Spaces: 4 UTF-8 CRLF Python

Escribe aquí para buscar

11:12 p. m. 15/02/2022

File Edit Selection View Go Run Terminal Help excepciones.py - CursoIntroPython - Visual Studio Code

EXPLORER

OPEN EDITORS

- excepciones.py

CURSOINTROPYTHON

- config.py
- excepciones.py
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- Módulo9Katas.ipynb
- open.py
- ship-manual.ipynb

OUTLINE

Python 3.8.1 64-bit 0 0

excepciones.py

```
1 # Generación de excepciones
2
3 def water_left(astronauts, water_left, days_left):
4     daily_usage = astronauts * 11
5     total_usage = daily_usage * days_left
6     total_water_left = water_left - total_usage
7     return f"Total water left after {days_left} days is: {total_water_left} liters"
8
9 def water_left(astronauts, water_left, days_left):
10     daily_usage = astronauts * 11
11     total_usage = daily_usage * days_left
12     total_water_left = water_left - total_usage
13     if total_water_left < 0:
14         raise RuntimeError(f"There is not enough water for {astronauts} astronauts after {days_left} days!")
15     return f"Total water left after {days_left} days is: {total_water_left} liters"
16
17 def main():
18     print(water_left(5, 100, 2))
```

Símbolo del sistema

Microsoft Windows [Versión 10.0.19044.1526]
(c) Microsoft Corporation. Todos los derechos reservados.

C:\Users\elvia>cd Desktop

C:\Users\elvia\Desktop>cd CursoIntroPython

C:\Users\elvia\Desktop\CursoIntroPython>excepciones.py

Total water left after 2 days is: -10 liters

C:\Users\elvia\Desktop\CursoIntroPython>

File Edit Selection View Go Run Terminal Help excepciones.py - CursoIntroPython - Visual Studio Code

EXPLORER

OPEN EDITORS

- excepciones.py

CURSOINTROPYTHON

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- Módulo8Katas.ipynb
- Módulo9Katas.ipynb
- open.py
- ship-manual.ipynb

OUTLINE

Python 3.8.1 64-bit 0 0 0

excepciones.py

```
9 def water_left(astronauts, water_left, days_left):
10     daily_usage = astronauts * 11
11     total_usage = daily_usage * days_left
12     total_water_left = water_left - total_usage
13     if total_water_left < 0:
14         raise RuntimeError(f"There is not enough water for {astronauts} astronauts after {days_left} days!")
15     return f"Total water left after {days_left} days is: {total_water_left} liters"
16
17 def main():
18     print(water_left(5, 100, 2))
```

Símbolo del sistema

Microsoft Windows [Versión 10.0.19044.1526]
(c) Microsoft Corporation. Todos los derechos reservados.

C:\Users\elvia>cd Desktop

C:\Users\elvia\Desktop>cd CursoIntroPython

C:\Users\elvia\Desktop\CursoIntroPython>excepciones.py
Total water left after 2 days is: -10 liters

C:\Users\elvia\Desktop\CursoIntroPython>excepciones.py
Traceback (most recent call last):
 File "C:\Users\elvia\Desktop\CursoIntroPython\excepciones.py", line 43, in <module>
 main()
 File "C:\Users\elvia\Desktop\CursoIntroPython\excepciones.py", line 18, in main
 print(water_left(5, 100, 2))
 File "C:\Users\elvia\Desktop\CursoIntroPython\excepciones.py", line 14, 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!

C:\Users\elvia\Desktop\CursoIntroPython>_

Escribe aquí para buscar

11:19 p. m.
15/02/2022

Visual Studio Code interface showing a Python script named `excepciones.py` and a terminal window displaying a traceback error.

EXPLORER

- OPEN EDITORS
 - `excepciones.py`
- CURSOINTROPYTHON
 - `config.py`
 - `excepciones.py`
 - Módulo 10 - Manejo de errores.md
 - Módulo0Katas.ipynb
 - Módulo1Katas.ipynb
 - Módulo2Katas.pdf
 - Módulo3Katas.ipynb
 - Módulo4Katas.ipynb
 - Módulo5Katas.ipynb
 - Módulo6Katas.ipynb
 - Módulo7Katas.ipynb
 - Módulo8Katas.ipynb
 - Módulo9Katas.ipynb
 - `open.py`
 - `ship-manual.ipynb`
- OUTLINE

Python 3.8.1 64-bit 0 0

excepciones.py

```
9 def water_left(astronauts, water_left, days_left):
10     daily_usage = astronauts * 11
11     total_usage = daily_usage * days_left
12     total_water_left = water_left - total_usage
13     if total_water_left < 0:
14         raise RuntimeError(f"There is not enough water for {astronauts} astronauts after {days_left} days!")
15     return f"Total water left after {days_left} days is: {total_water_left} liters"
```

Simbolo del sistema

```
C:\Users\elvia\Desktop\CursoIntroPython>excepciones.py
Traceback (most recent call last):
  File "C:\Users\elvia\Desktop\CursoIntroPython\excepciones.py", line 43, in <module>
    main()
  File "C:\Users\elvia\Desktop\CursoIntroPython\excepciones.py", line 38, in main
    water_left(3, 200, None)
  File "C:\Users\elvia\Desktop\CursoIntroPython\excepciones.py", line 11, in water_left
    total_usage = daily_usage * days_left
TypeError: unsupported operand type(s) for *: 'int' and 'NoneType'

C:\Users\elvia\Desktop\CursoIntroPython>
```

Windows taskbar at the bottom shows the search bar with the text "Escribe aquí para buscar", system icons, and the date/time: 11:23 p. m., 15/02/2022.

File Edit Selection View Go Run Terminal Help excepciones.py - CursoIntroPython - Visual Studio Code

EXPLORER

OPEN EDITORS

- excepciones.py

CURSOINTROPYTHON

- config.py
- excepciones.py
- Módulo 10 - Manejo de errores.md
- Módulo0Katas.ipynb
- Módulo1Katas.ipynb
- Módulo2Katas.pdf
- Módulo3Katas.ipynb
- Módulo4Katas.ipynb
- Módulo5Katas.ipynb
- Módulo6Katas.ipynb
- Módulo7Katas.ipynb
- Módulo8Katas.ipynb
- Módulo9Katas.ipynb
- open.py
- ship-manual.ipynb

OUTLINE

Python 3.8.1 64-bit 0 0 0

excepciones.py

```
20 def water_left(astronauts, water_left, days_left):
21     for argument in [astronauts, water_left, days_left]:
22         try:
23             # If argument is an int, the following operation will work
24             argument / 10
25         except TypeError:
26             # TypeError will be raised only if it isn't the right type
27             # Raise the same exception but with a better error message
28             raise TypeError(f"All arguments must be of type int, but received: '{argument}'")
29     daily_usage = astronauts * 11
30     total_usage = daily_usage * days_left
31     total_water_left = water_left - total_usage
32     if total_water_left < 0:
33         raise RuntimeError(f"There is not enough water for {astronauts} astronauts after {days_left} days!")
34     return f"Total water left after {days_left} days is: {total_water_left} liters"
```

Símbolo del sistema

```
C:\Users\elvia\Desktop\CursoIntroPython>excepciones.py
Traceback (most recent call last):
  File "C:\Users\elvia\Desktop\CursoIntroPython\excepciones.py", line 24, in water_left
    argument / 10
TypeError: unsupported operand type(s) for /: 'NoneType' and 'int'

During handling of the above exception, another exception occurred:

Traceback (most recent call last):
  File "C:\Users\elvia\Desktop\CursoIntroPython\excepciones.py", line 43, in <module>
    main()
  File "C:\Users\elvia\Desktop\CursoIntroPython\excepciones.py", line 38, in main
    water_left(3, 200, None)
  File "C:\Users\elvia\Desktop\CursoIntroPython\excepciones.py", line 28, 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: 'None'

C:\Users\elvia\Desktop\CursoIntroPython>
```

11:25 p. m.
15/02/2022