

```
Preview Módulo 10 - Manejo de errores.md  open.py × ▶
C: > Users > vani_ > Documents > virtualenv_test > src > open.py > ...
1  def main():
2      |   open("/path/to/mars.jpg")
3
4  if __name__ == '__main__':
5      |   main()

PROBLEMS  OUTPUT  TERMINAL  JUPYTER  DEBUG CONSOLE  +
AppData/Local/Programs/Python/Python39/python.exe c:/Users/vani_/Documents/virtualenv_test/src/open.py
Traceback (most recent call last):
  File "c:\Users\vani_\Documents\virtualenv_test\src\open.py", line 5,
    in <module>
    main()
  File "c:\Users\vani_\Documents\virtualenv_test\src\open.py", line 2,
    in main
    open("/path/to/mars.jpg")
FileNotFoundError: [Errno 2] No such file or directory: '/path/to/mars.jpg'
PS D:\Full Stack course (Microsoft)\CursoIntroPython> [
Ln 5, Col 11  Spaces: 4  UTF-8  CRLF  Python  Go Live  kite: not installed
```

```
>>> try:
...     open('config.txt')
File "<stdin>", line 2
...     open('config.txt')
^
IndentationError: expected an indented block
>>> try:
...     open('config.txt')
... except:
...     print("Couldn't find the config.txt file!")
...
Couldn't find the config.txt file!
>>>
```

```
Help open.py - CursoIntroPython - Visual Studio Code
Preview Módulo 10 - Manejo de errores.md open.py X
C: > Users > vani_ > Documents > virtualenv_test > src > open.py > ...
1 def main():
2     try:
3         configuration = open('config.txt')
4     except FileNotFoundError:
5         print("Couldn't find the config.txt file!")
6
7
8 if __name__ == '__main__':
9     main()
```

PROBLEMS OUTPUT TERMINAL JUPYTER DEBUG CONSOLE

Windows PowerShell
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Prueba la nueva tecnología PowerShell multiplataforma <https://aka.ms/pscore6>

PS D:\Full Stack course (Microsoft)\CursoIntroPython> & C:/Users/vani_/AppData/Local/Programs/Python/Python39/python.exe src/open.py
Couldn't find the config.txt file!
PS D:\Full Stack course (Microsoft)\CursoIntroPython>

```
Preview Módulo 10 - Manejo de errores.md  open.py X
C: > Users > vani > Documents > virtualenv_test > src > open.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 PermissionError:
7          print("Found config.txt but it is a directory, couldn't read it")
8      except (BlockingIOError, TimeoutError):
9          print("Filesystem under heavy load, can't complete reading configuration file")
10
11
12  if __name__ == '__main__':
13      main()

PROBLEMS  OUTPUT  TERMINAL  JUPYTER  DEBUG CONSOLE

Windows PowerShell
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Prueba la nueva tecnología PowerShell multiplataforma https://aka.ms/pscore6

PS D:\Full Stack course (Microsoft)\CursoIntroPython> & C:/Users/vani_/AppData/Local/Programs/Python/Python39/python.exe c:/Users/
nts/virtualenv_test/src/open.py
Couldn't find the config.txt file!
PS D:\Full Stack course (Microsoft)\CursoIntroPython> & C:/Users/vani_/AppData/Local/Programs/Python/Python39/python.exe c:/Users/
nts/virtualenv_test/src/open.py
Traceback (most recent call last):
  File "c:\Users\vani_\Documents\virtualenv_test\src\open.py", line 13, in <module>
    main()
  File "c:\Users\vani_\Documents\virtualenv_test\src\open.py", line 3, in main
    configuration = open('config.txt')
PermissionError: [Errno 13] Permission denied: 'config.txt'
PS D:\Full Stack course (Microsoft)\CursoIntroPython> & C:/Users/vani_/AppData/Local/Programs/Python/Python39/python.exe c:/Users/
nts/virtualenv_test/src/open.py
Found config.txt but it is a directory, couldn't read it
PS D:\Full Stack course (Microsoft)\CursoIntroPython> 
```

```
IndentationError: expected an indented block
>>> try:
...     open('config.txt')
... except:
...     print("Couldn't find the config.txt file!")
...
Couldn't find the config.txt file!
>>> 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'
>>> 
```

```
IndentationError: unindent does not match any outer indentation level
>>> try:
```

```
...     open("config.txt")
... except OSError as err:
...     print("Couldn't find the config.txt file!")
...     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!
```

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

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>>>
```

```
Preview Modulo 10 - Manejo de errores.md  open.py x
> Users > vani > Documents > virtualenv_test > src > open.py > water_left
1  def water_left(astronauts, water_left, days_left):
2      for argument in [astronauts, water_left, days_left]:
3          try:
4              # If argument is an int, the following operation will work
5              argument / 10
6          except TypeError:
7              # TypeError 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
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
18 if __name__ == '__main__':
19     water_left("3", "200", None)
```

```
PROBLEMS  OUTPUT  TERMINAL  JUPYTER  DEBUG CONSOLE
PS D:\Full Stack course (Microsoft)\CursoIntroPython> & C:/Users/vani_/AppData/Local/Programs/Python/Python39/python.exe c:/Users/vani_/Documents/virtualenv_test/src/open.py
Found config.txt but it is a directory, couldn't read it
PS D:\Full Stack course (Microsoft)\CursoIntroPython> & C:/Users/vani_/AppData/Local/Programs/Python/Python39/python.exe c:/Users/vani_/Documents/virtualenv_test/src/open.py
Traceback (most recent call last):
  File "c:\Users\vani_\Documents\virtualenv_test\src\open.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 "c:\Users\vani_\Documents\virtualenv_test\src\open.py", line 19, in <module>
    water_left("3", "200", None)
  File "c:\Users\vani_\Documents\virtualenv_test\src\open.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'
PS D:\Full Stack course (Microsoft)\CursoIntroPython> []
```