



The screenshot shows a Jupyter Notebook window with the title bar 'Preview Módulo 10 - Manejo de errores.md' and 'ArchivoInexistente.ipynb'. The notebook content displays a code cell with the following text:

```
open("/path/to/mars.jpg")
```

Below the code cell, the output shows a `FileNotFoundError` traceback:

```
FileNotFoundError                                Traceback (most recent call last)
c:\Users\Alfredo B\OneDrive\Documents\GitHub\curso-full-stack-launch-x-python\Módulo 10 - Manejo de errores\ArchivoInexistente.ipynb Cell 1:
in <module>
----> 1 open("/path/to/mars.jpg")

FileNotFoundError: [Errno 2] No such file or directory: '/path/to/mars.jpg'
```

The interface also shows a toolbar with icons for running, clearing outputs, restarting, interrupting, variables, and outline, along with a status bar indicating 'Python 3.10.2 64-bit'.

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

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Windows PowerShell
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```
PS C:\Users\Alfredo B\OneDrive\Documentos\GitHub\curso-full-stack-launch-x-python> & "C:\Users\Alfredo B\AppData\Local\Microsoft\WindowsApps\python3.9.exe" "c:\Users\Alfredo B\OneDrive\Documentos\GitHub\curso-full-stack-launch-x-python\Módulo 10 - Manejo de errores\open.py"
Traceback (most recent call last):
  File "c:\Users\Alfredo B\OneDrive\Documentos\GitHub\curso-full-stack-launch-x-python\Módulo 10 - Manejo de errores\open.py", line 5, in <module>
    main()
  File "c:\Users\Alfredo B\OneDrive\Documentos\GitHub\curso-full-stack-launch-x-python\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\Alfredo B\OneDrive\Documentos\GitHub\curso-full-stack-launch-x-python>
```

```
Módulo 10 - Manejo de errores > open.py
1  try:
2      open('config.txt')
3  except FileNotFoundError:
4      print("Couldn't find the config.txt file!")
```

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PS C:\Users\Alfredo B\OneDrive\Documentos\GitHub\curso-full-stack-launch-x-python> & "C:/Users/Alfredo B/AppData/Local/Microsoft/WindowsApps/python3.9.exe" "C:/Users/Alfredo B/OneDrive/Documentos/GitHub/curso-full-stack-launch-x-python/Módulo 10 - Manejo de errores/open.py"
Couldn't find the config.txt file!
PS C:\Users\Alfredo B\OneDrive\Documentos\GitHub\curso-full-stack-launch-x-python>

```
Módulo 10 - Manejo de errores > config.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()
```

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PS C:\Users\Alfredo B\OneDrive\Documentos\GitHub\curso-full-stack-launch-x-python> & "C:/Users/Alfredo B/AppData/Local/Microsoft/WindowsApps/python3.9.exe" "c:/Users/Alfredo B/OneDrive\Documentos\GitHub\curso-full-stack-launch-x-python/Módulo 10 - Manejo de errores/config.py"
Couldn't find the config.txt file!
PS C:\Users\Alfredo B\OneDrive\Documentos\GitHub\curso-full-stack-launch-x-python>

```
Módulo 10 - Manejo de errores > config.py > ...
1 def main():
2     try:
3         configuration = open('config.txt')
4     except Exception:
5         print("Couldn't find the config.txt file!")
6
7 if __name__ == '__main__':
8     main()
```

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```
PS C:\Users\Alfredo B\OneDrive\Documentos\GitHub\curso-full-stack-launch-x-python> & "C:\Users\Alfredo B\AppData\Local\Microsoft\WindowsApps\python3.9.exe" "c:\Users\Alfredo B\OneDrive\Documentos\GitHub\curso-full-stack-launch-x-python\Módulo 10 - Manejo de errores/config.py"
Couldn't find the config.txt file!
PS C:\Users\Alfredo B\OneDrive\Documentos\GitHub\curso-full-stack-launch-x-python>
```

```
Módulo 10 - Manejo de errores > config.py > ...
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")
8
9 if __name__ == '__main__':
10     main()
```

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PS C:\Users\Alfredo B\OneDrive\Documentos\GitHub\curso-full-stack-launch-x-python> & "C:/Users/Alfredo B/AppData/Local/Microsoft/WindowsApps/python3.9.exe" "C:/Users/Alfredo B/OneDrive/Documentos/GitHub/curso-full-stack-launch-x-python/Módulo 10 - Manejo de errores/config.py"
Couldn't find the config.txt file!
PS C:\Users\Alfredo B\OneDrive\Documentos\GitHub\curso-full-stack-launch-x-python>

```
Módulo 10 - Manejo de errores > config.py > ...  
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")  
8     except (BlockingIOError, TimeoutError):  
9         print("Filesystem under heavy load, can't complete reading configuration file")  
10  
11 if __name__ == '__main__':  
12     main()
```

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```
PS C:\Users\Alfredo B\OneDrive\Documentos\GitHub\curso-full-stack-launch-x-python> & "C:/Users/Alfredo B/AppData/Local/Microsoft/WindowsApps/python3.9.exe" "c:/Users/Alfredo B/OneDrive/Documentos/GitHub/curso-full-stack-launch-x-python/Módulo 10 - Manejo de errores/config.py"  
Couldn't find the config.txt file!  
PS C:\Users\Alfredo B\OneDrive\Documentos\GitHub\curso-full-stack-launch-x-python>
```

```
Módulo 10 - Manejo de errores > config.py > ...
1 def main():
2     try:
3         open("config.txt")
4     except OSError as err:
5         if err.errno == 2:
6             print("Couldn't find the config.txt file!")
7         elif err.errno == 13:
8             print("Found config.txt but couldn't read it")
9
10 if __name__ == '__main__':
11     main()
```

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```
PS C:\Users\Alfredo B\OneDrive\Documentos\GitHub\curso-full-stack-launch-x-python> & "C:/Users/Alfredo B/AppData/Local/Microsoft/WindowsApps/python3.9.exe" "C:/Users/Alfredo B/OneDrive/Documentos/GitHub/curso-full-stack-launch-x-python/Módulo 10 - Manejo de errores/config.py"
Couldn't find the config.txt file!
PS C:\Users\Alfredo B\OneDrive\Documentos\GitHub\curso-full-stack-launch-x-python>
```

```
Módulo 10 - Manejo de errores > ejercicio_astronautas.py > ...
1 def water_left(astronauts, water_left, days_left):
2     daily_usage = astronauts * 11
3     total_usage = daily_usage * days_left
4     total_water_left = water_left - total_usage
5     return f"Total water left after {days_left} days is: {total_water_left} liters"
6
7 print(water_left(5, 100, 2))
```

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```
PS C:\Users\Alfredo B\OneDrive\Documentos\GitHub\curso-full-stack-launch-x-python> & "C:\Users\Alfredo B\AppData\Local\Microsoft\WindowsApps\python3.9.exe" "C:\Users\Alfredo B\OneDrive\Documentos\GitHub\curso-full-stack-launch-x-python\Módulo 10 - Manejo de errores\ejercicio_astronautas.py"
Total water left after 2 days is: -10 liters
PS C:\Users\Alfredo B\OneDrive\Documentos\GitHub\curso-full-stack-launch-x-python>
```

```
Módulo 10 - Manejo de errores > ejercicio_astronautas.py > ...
1 def water_left(astronauts, water_left, days_left):
2     daily_usage = astronauts * 11
3     total_usage = daily_usage * days_left
4     total_water_left = water_left - total_usage
5     if total_water_left < 0:
6         raise RuntimeError(f"There is not enough water for {astronauts} astronauts after {days_left} days!")
7     return f"Total water left after {days_left} days is: {total_water_left} liters"
8
9 print(water_left(5, 100, 2))
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER

PS C:\Users\Alfredo B\OneDrive\Documentos\GitHub\curso-full-stack-launch-x-python> & "C:\Users\Alfredo B\AppData\Local\Microsoft\WindowsApps\python3.9.exe" "c:\Users\Alfredo B\OneDrive\Documentos\GitHub\curso-full-stack-launch-x-python\Módulo 10 - Manejo de errores\ejercicio_astronautas.py"

Traceback (most recent call last):

File "c:\Users\Alfredo B\OneDrive\Documentos\GitHub\curso-full-stack-launch-x-python\Módulo 10 - Manejo de errores\ejercicio_astronautas.py", line 9, in <module>

print(water_left(5, 100, 2))

File "c:\Users\Alfredo B\OneDrive\Documentos\GitHub\curso-full-stack-launch-x-python\Módulo 10 - Manejo de errores\ejercicio_astronautas.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!

PS C:\Users\Alfredo B\OneDrive\Documentos\GitHub\curso-full-stack-launch-x-python>

```
Módulo 10 - Manejo de errores > ejercicio_astronautas.py > ...
1 def water_left(astronauts, water_left, days_left):
2     daily_usage = astronauts * 11
3     total_usage = daily_usage * days_left
4     total_water_left = water_left - total_usage
5     if total_water_left < 0:
6         raise RuntimeError(f"There is not enough water for {astronauts} astronauts after {days_left} days!")
7     return f"Total water left after {days_left} days is: {total_water_left} liters"
8
9 try:
10     water_left(5, 100, 2)
11 except RuntimeError as err:
12     print(err)
```

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PS C:\Users\Alfredo B\OneDrive\Documentos\GitHub\curso-full-stack-launch-x-python> & "C:\Users\Alfredo B\AppData\Local\Microsoft\WindowsApps\python3.9.exe" "c:\Users\Alfredo B\OneDrive\Documentos\GitHub\curso-full-stack-launch-x-python\Módulo 10 - Manejo de errores\ejercicio_astronautas.py"

There is not enough water for 5 astronauts after 2 days!

PS C:\Users\Alfredo B\OneDrive\Documentos\GitHub\curso-full-stack-launch-x-python>

```
Módulo 10 - Manejo de errores > ejercicio_astronautas.py > ...  
1 def water_left(astronauts, water_left, days_left):  
2     daily_usage = astronauts * 11  
3     total_usage = daily_usage * days_left  
4     total_water_left = water_left - total_usage  
5     if total_water_left < 0:  
6         raise RuntimeError(f"There is not enough water for {astronauts} astronauts after {days_left} days!")  
7     return f"Total water left after {days_left} days is: {total_water_left} liters"  
8  
9 try:  
10     water_left("3", "200", None)  
11 except RuntimeError as err:  
12     print(err)
```

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Python + - [] [X] [Y]

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PS C:\Users\Alfredo B\OneDrive\Documentos\GitHub\curso-full-stack-launch-x-python> & "C:/Users/Alfredo B/AppData/Local/Microsoft/WindowsApps/python3.9.exe" "c:/Users/Alfredo B/OneDrive\Documentos\GitHub\curso-full-stack-launch-x-python\Módulo 10 - Manejo de errores/ejercicio_astronautas.py"

Traceback (most recent call last):
File "c:\Users\Alfredo B\OneDrive\Documentos\GitHub\curso-full-stack-launch-x-python\Módulo 10 - Manejo de errores\ejercicio_astronautas.py", line 10, in <module>
 water_left("3", "200", None)
File "c:\Users\Alfredo B\OneDrive\Documentos\GitHub\curso-full-stack-launch-x-python\Módulo 10 - Manejo de errores\ejercicio_astronautas.py", line 3, in water_left
 total_usage = daily_usage * days_left
TypeError: can't multiply sequence by non-int of type 'NoneType'
PS C:\Users\Alfredo B\OneDrive\Documentos\GitHub\curso-full-stack-launch-x-python>

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

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

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Python + - [] [] ^ X

PS C:\Users\Alfredo B\OneDrive\Documentos\GitHub\curso-full-stack-launch-x-python> & "C:/Users/Alfredo B/AppData/Local/Microsoft/WindowsApps/python3.9.exe" "c:/Users/Alfredo B/OneDrive/Documentos/GitHub/curso-full-stack-launch-x-python/Módulo 10 - Manejo de errores/ejercicio_astronautas.py"

File "c:\Users\Alfredo B\OneDrive\Documentos\GitHub\curso-full-stack-launch-x-python\Módulo 10 - Manejo de errores\ejercicio_astronautas.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\Alfredo B\OneDrive\Documentos\GitHub\curso-full-stack-launch-x-python\Módulo 10 - Manejo de errores\ejercicio_astronautas.py", line 17, in <module>
water_left("3", "200", None)

File "c:\Users\Alfredo B\OneDrive\Documentos\GitHub\curso-full-stack-launch-x-python\Módulo 10 - Manejo de errores\ejercicio_astronautas.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 C:\Users\Alfredo B\OneDrive\Documentos\GitHub\curso-full-stack-launch-x-python> █