

## Tracebacks

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

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

FileNotFoundError: [Errno 2] No such file or directory: '/path/to/mars.jpg'  
PS C:\Users\Gerardo>

## Try y Except de los bloques

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

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

PowerShell 7.2.1  
Copyright (c) Microsoft Corporation.

<https://aka.ms/powershell>  
Type 'help' to get help.

PS C:\Users\Gerardo> & C:/Users/Gerardo/AppData/Local/Microsoft/WindowsApps/python3.10.exe "d:/Us  
Couldn't find the config.txt file!  
PS C:\Users\Gerardo>

## Generación de excepciones

```
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
11     daily_usage = astronauts * 11
12     total_usage = daily_usage * days_left
13     total_water_left = water_left - total_usage
14     if total_water_left < 0:
15         raise RuntimeError(f"There is not enough water for {astronauts} astronauts after {days_left} days!")
16     return f"Total water left after {days_left} days is: {total_water_left} liters"
17
18 water_left("3", "200", None)
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

Copyright (c) Microsoft Corporation.

<https://aka.ms/powershell>  
Type 'help' to get help.

PS C:\Users\Gerardo> & C:/Users/Gerardo/AppData/Local/Microsoft/WindowsApps/python3.10.exe "d:/Usuario/Gerardo/Documentos/Launch X/open.py"

Traceback (most recent call last):  
File "d:\Usuario\Gerardo\Documentos\Launch X\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 "d:\Usuario\Gerardo\Documentos\Launch X\open.py", line 17, in <module>  
water\_left("3", "200", None)  
File "d:\Usuario\Gerardo\Documentos\Launch X\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 C:\Users\Gerardo>