

Kata 10

Tracebacks

```
open("/path/to/mars.jpg")
⊗ 0.5s


-----
FileNotFoundError                                Traceback (most recent call last)
Untitled-1.ipynb Cell 1' in <module>
----> 1 open("/path/to/mars.jpg")

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

```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL


PS C:\Users\D\Desktop> cd C:\Users\D\Desktop
PS C:\Users\D\Desktop> python3 open.py
Traceback (most recent call last):
  File "C:\Users\D\Desktop\open.py", line 5, in <module>
    main()
  File "C:\Users\D\Desktop\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\D\Desktop> █
```

Try y Except de los bloques

```
▶ 
try:
...     open('config.txt')
... except FileNotFoundError:
...     print("Couldn't find the config.txt file!")

[1]  ✓ 0.4s

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

```
▶ 
def main():
    try:
        configuration = open('config.txt')
    except FileNotFoundError:
        print("Couldn't find the config.txt file!")

if __name__ == '__main__':
    main()

[4]  ✓ 0.4s

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

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

```
PS C:\Users\D\Desktop> cd C:\Users\D\Desktop
PS C:\Users\D\Desktop> python3 config.py
Traceback (most recent call last):
  File "C:\Users\D\Desktop\config.py", line 10, in <module>
    main()
  File "C:\Users\D\Desktop\config.py", line 3, in main
    configuration = open('config.txt')
PermissionError: [Errno 13] Permission denied: 'config.txt'
PS C:\Users\D\Desktop> █
```

C: > Users > D > Desktop > config.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 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    except (PermissionError):
11        print("Couldn't read the config.txt file!")
12
13 if __name__ == '__main__':
14     main()
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

```
PS C:\Users\D\Desktop> cd C:\Users\D\Desktop
PS C:\Users\D\Desktop> py config.py
Couldn't read the config.txt file!
PS C:\Users\D\Desktop> █
```

Generación de excepciones

```
C: > Users > D > Desktop > 📄 Agua.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  water_left(5, 100, 2)

PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  JUPYTER
PS C:\Users\D> & C:/Users/D/AppData/Local/Microsoft/WindowsApps/python3.10.exe c:/Users/D/Desktop/Agua.py
Traceback (most recent call last):
  File "c:\Users\D\Desktop\Agua.py", line 8, in <module>
    water_left(5, 100, 2)
  File "c:\Users\D\Desktop\Agua.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\D> 
```

```
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\D\Desktop\Agua.py", line 17, in <module>
```

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

```
File "c:\Users\D\Desktop\Agua.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\D> 
```