Capturas de los procesos del kata 10:

```
C: > Users > Julia > Desktop > Python > katas > kata 10 > 🐍 open.py > ...
  1   def main():
  2       open("/path/to/mars.jpg")
  3
  4   if __name__ == '__main__':
  5       main()
```

```
PROBLEMS    OUTPUT    DEBUG CONSOLE    TERMINAL    JUPYTER

Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\Julia> & C:/Users/Julia/AppData/Local/Programs/Python/Python310/python.exe "c:/Users/Julia/Desktop/Python/katas/kata 10/o
pen.py"
Traceback (most recent call last):
  File "c:\Users\Julia\Desktop\Python\katas\kata 10\open.py", line 5, in <module>
    main()
  File "c:\Users\Julia\Desktop\Python\katas\kata 10\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\Julia>
```

```
🐍 open.py        🐍 config.py  ✕
C: > Users > Julia > Desktop > Python > katas > kata 10 > 🐍 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
  7
  8   if __name__ == '__main__':
  9       main()
```

```
PROBLEMS    OUTPUT    DEBUG CONSOLE    TERMINAL

Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\Julia> & C:/Users/Julia/AppData/Local/Programs/Python/Python310/python.exe Untitled-1
C:\Users\Julia\AppData\Local\Programs\Python\Python310\python.exe: can't open file 'C:\\Users\\Julia\\Untitled-1': [Errno 2] No such file or directory
PS C:\Users\Julia> & C:/Users/Julia/AppData/Local/Programs/Python/Python310/python.exe "c:/Users/Julia/Desktop/Python/katas/kata 10/config.py"
Couldn't find the config.txt file!
PS C:\Users\Julia>
```

Screenshot 1

config.py ✕   Workspace Trust

C: > Users > Julia > Desktop > Python > katas > kata 10 > config.py > ...

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


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

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL

```
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\Julia> & C:/Users/Julia/AppData/Local/Programs/Python/Python310/python.exe "c:/Users/Julia/Desktop/Python/katas/kata 10/config.py"
Couldn't find the config.txt file!
PS C:\Users\Julia>
```

Screenshot 2

config.py ✕   Workspace Trust

C: > Users > Julia > Desktop > Python > katas > kata 10 > config.py > ...

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


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

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL

```
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\Julia> & C:/Users/Julia/AppData/Local/Programs/Python/Python310/python.exe "c:/Users/Julia/Desktop/Python/katas/kata 10/config.py"
Couldn't find the config.txt file!
PS C:\Users\Julia>
```

Screenshot 3

config.py ✕   Workspace Trust

C: > Users > Julia > Desktop > Python > katas > kata 10 > config.py > main

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


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

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL

```
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\Julia> & C:/Users/Julia/AppData/Local/Programs/Python/Python310/python.exe "c:/Users/Julia/Desktop/Python/katas/kata 10/config.py"
Couldn't find the config.txt file!
PS C:\Users\Julia>
```

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



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

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



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

```python
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
11
12  if __name__ == '__main__':
13      main()
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   **TERMINAL**

```
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\Julia> & C:/Users/Julia/AppData/Local/Programs/Python/Python310/python.exe "c:/Users/Julia/Desktop/Python/katas/kata 10/config.py"
Couldn't find the config.txt file!
PS C:\Users\Julia>
```

```python
def water_left(astronauts, water_left, days_left):
    daily_usage = astronauts * 11
    total_usage = daily_usage * days_left
    total_water_left = water_left - total_usage
    return f"Total water left after {days_left} days is: {total_water_left} liters"


water_left(5, 100, 2)
```

[1]   ✓ 0.1s

...   'Total water left after 2 days is: -10 liters'

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


water_left(5, 100, 2)
```

[2]   ⊗ 1.6s

...
```
    ---------------------------------------------------------------
    RuntimeError                           Traceback (most recent call last)
    Untitled-1.ipynb Cell 1' in <module>
        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"
    ----> 9 water_left(5, 100, 2)

    Untitled-1.ipynb Cell 1' in water_left(astronauts, water_left, 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"

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

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

water_left("3", "200", None)
```
`[3]  ⊗ 0.6s`

```
---------------------------------------------------------------------------
TypeError                                 Traceback (most recent call last)
Untitled-1.ipynb Cell 1' in <module>
      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"
----> 9 water_left("3", "200", None)

Untitled-1.ipynb Cell 1' in water_left(astronauts, water_left, days_left)
      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:

TypeError: can't multiply sequence by non-int of type 'NoneType'
```

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

water_left("3", "200", None)
```
`[4]  ⊗ 0.9s`

```
---------------------------------------------------------------------------
TypeError                                 Traceback (most recent call last)
Untitled-1.ipynb Cell 1' in water_left(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     # TypError will be raised only if it isn't the right type
      8     # Raise the same exception but with a better error message

TypeError: unsupported operand type(s) for /: 'str' and 'int'

During handling of the above exception, another exception occurred:

TypeError                                 Traceback (most recent call last)
Untitled-1.ipynb Cell 1' in <module>
     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"
---> 17 water_left("3", "200", None)

Untitled-1.ipynb Cell 1' in water_left(astronauts, water_left, days_left)
      5     argument / 10
      6 except TypeError:
      7     # TypError 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

TypeError: All arguments must be of type int, but received: '3'
```