

Kata Módulo 10:

1.

```
Untitled-1.ipynb • open.py X
C: > Users > maria > OneDrive > Desktop > LaunchX > open.py > ...
1 def main():
2     open("/path/to/mars.jpg")
3
4 if __name__ == '__main__':
5     main()

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER
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Try the new cross-platform PowerShell https://aka.ms/pscore6

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

2.

```
C: > Users > maria > OneDrive > Desktop > 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()

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER
PS C:\Users\maria> & C:/Users/maria/AppData/Local/Programs/Python/Python310/python.exe c:/Users/maria/OneDrive/Desktop/config.py
Couldn't find the config.txt file!
PS C:\Users\maria>
```

3.

```
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"
```

[10] ✓ 0.8s

```
water_left(5,100,2)
```

[11] ✗ 0.7s

...

```
RuntimeError                                Traceback (most recent call last)
c:\Users\maria\OneDrive\Desktop\LaunchX\waterleft.ipynb Cell 4' in <module>
----> 1 water_left(5,100,2)

c:\Users\maria\OneDrive\Desktop\LaunchX\waterleft.ipynb Cell 3' 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!
```

```
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"
```

[10] ✓ 0.8s

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

[]

...

```
TypeError                                Traceback (most recent call last)
c:\Users\maria\OneDrive\Desktop\LaunchX\waterleft.ipynb Cell 4' in <module>
----> 1 water_left("3","200",None)

c:\Users\maria\OneDrive\Desktop\LaunchX\waterleft.ipynb Cell 3' 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'
```

```
        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"
```

[15] ✓ 0.6s

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

[16] ✗ 0.8s

```
...
-----
TypeError                                 Traceback (most recent call last)
c:\Users\maria\OneDrive\Desktop\LaunchX\waterleft.ipynb Cell 5' 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     # TypeError 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)
c:\Users\maria\OneDrive\Desktop\LaunchX\waterleft.ipynb Cell 6' in <module>
----> 1 water_left("3", "200", None)

c:\Users\maria\OneDrive\Desktop\LaunchX\waterleft.ipynb Cell 5' in water_left(astronauts, water_left, days_left)
      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

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