

```
Kata 10.ipynb • config.py open.py 4 •
C: > Users > PragmaBatman > Desktop > Katas > Kata 10.ipynb > >>> open("/path/to/mars.jpg")
+ Code + Markdown | ▶ Run All ⌵ Clear Outputs of All Cells ↺ Restart ⏏ Interrupt | ... Python 3.10.2 64-bit

▶ ▾
[2] 0.9s Python

...
-----
FileNotFoundError                                Traceback (most recent call last)
c:\Users\PragmaBatman\Desktop\Katas\Kata 10.ipynb Cell 1' in <module>
----> 1 open("/path/to/mars.jpg")

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

```
Kata 10.ipynb • config.py open.py ×
C: > Users > PragmaBatman > Desktop > Katas > open.py > main
1 def main():
2     open("/path/to/mars.jpg")
3
4 if __name__ == '__main__':
5     main()

Get started with Python development
Your first steps to set up a Python
the powerful tools and features th
extension has to offer!

✓ Install Python

✓ Create a Python file
Open or create a Python file - make su
.py".
Create Python File
Tip: Use keyboard shortcut (Ctrl+N)

PROBLEMS 1 OUTPUT DEBUG CONSOLE TERMINAL JUPYTER
PS C:\Users\PragmaBatman\Desktop\Katas> py open.py
File "C:\Users\PragmaBatman\Desktop\Katas\open.py", line 6
    couldnt find the config.txt file!
    ^^^^^
SyntaxError: invalid syntax
PS C:\Users\PragmaBatman\Desktop\Katas> py open.py
Traceback (most recent call last):
  File "C:\Users\PragmaBatman\Desktop\Katas\open.py", line 5, in <module>
    main()
  File "C:\Users\PragmaBatman\Desktop\Katas\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\PragmaBatman\Desktop\Katas>
```

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

[3] ✓ 0.3s Python

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

```
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")
```

[51] ✓ 0.2s Python

```
>>> main()
[54] ✓ 0.2s Python
... Couldn't find the config.txt file!
```

Kata 10.ipynb • open.py • config.py

C:\Users\PragmaBatman\Desktop>Katas> Kata 10.ipynb > >>> water\_left(5, 100, 2)

Code | Markdown | Run All | Clear Outputs of All Cells | Restart | Interrupt | Variables | Outline

Python 3.10.2.6

```
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"
```

[77] ✓ 0.4s Python

```
>>> water_left(5, 100, 2)
[78] ✗ 0.5s Python
```

...  
-----  
RuntimeError Traceback (most recent call last)  
c:\Users\PragmaBatman\Desktop\Katas\Kata 10.ipynb Cell 2 in <module>  
----> 1 water\_left(5, 100, 2)  
  
c:\Users\PragmaBatman\Desktop\Katas\Kata 10.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!

```
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:
            # TypeError 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"
```

[80] ✓ 0.4s Python

+ Code + Markdown

```
>>> water_left("3", "200", None)
[83] ✗ 0.5s Python
```

```
>>> water_left("3", "200", None)
0.5s Python

-----
TypeError                                Traceback (most recent call last)
c:\Users\PragmaBatman\Desktop\Katas\Kata 10.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     # 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\PragmaBatman\Desktop\Katas\Kata 10.ipynb Cell 2' in <module>
----> 1 water_left("3", "200", None)

c:\Users\PragmaBatman\Desktop\Katas\Kata 10.ipynb Cell 1' 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'
```