

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


```
Símbolo del sistema  
c:\launch>python open.py  
Traceback (most recent call last):  
  File "c:\launch\open.py", line 5, in <module>  
    main()  
  File "c:\launch\open.py", line 2, in main  
    open("/path/to/mars.jpg")  
FileNotFoundError: [Errno 2] No such file or directory: '/path/to/mars.jpg'  
c:\launch>
```

```
C: > launch > config.py  
1  try:  
2      open('config.txt')  
3  except FileNotFoundError:  
4      print("Couldn't find the config.txt file!")
```

```
Símbolo del sistema  
c:\launch>python config.py  
Couldn't find the config.txt file!  
c:\launch>
```

C: > launch >  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()
```

 Símbolo del sistema

```
c:\launch>python config.py
Traceback (most recent call last):
  File "c:\launch\config.py", line 9, in <module>
    main()
  File "c:\launch\config.py", line 3, in main
    configuration = open('config.txt')
PermissionError: [Errno 13] Permission denied: 'config.txt'
```

```
C: > launch > config.py > main
1 def main():
2     try:
3         configuration = open('config.txt')
4     except Exception:
5         print("Couldn't find the config.txt file!")
6
7
8 if __name__ == '__main__':
9     main()
```

Símbolo del sistema

```
c:\launch>python config.py
Couldn't find the config.txt file!

c:\launch>
```

```
C: > launch > 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 PermissionError:
7         print("Found config.txt but it is a directory, couldn't read it")
8
9 if __name__ == '__main__':
10    main()
```

Símbolo del sistema

```
c:\launch>python config.py
Found config.txt but it is a directory, couldn't read it

c:\launch>
```

```
C: > launch > 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 PermissionError:
7          print("Found config.txt but it is a directory, couldn't read it")
8
9  if __name__ == '__main__':
10     main()
```

Símbolo del sistema

```
c:\launch>python config.py
Couldn't find the config.txt file!
```

```
C: > launch > mars.py > ...
1  try:
2      open("mars.jpg")
3  except FileNotFoundError as err:
4      print("got a problem trying to read the file:", err)
```


Símbolo del sistema

```
c:\launch>python mars.py
got a problem trying to read the file: [Errno 2] No such file or directory: 'mars.jpg'

c:\launch>
```

C: > launch >  config.py > ...

```
1  try:
2      open("config.txt")
3  except OSError as err:
4      if err.errno == 2:
5          print("Couldn't find the config.txt file!")
6      elif err.errno == 13:
7          print("Found config.txt but couldn't read it")
```

 Símbolo del sistema

```
c:\launch>python config.py
Couldn't find the config.txt file!
```

```
c:\launch>_
```

 Code

 Markdown

```
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"
```

[4] ✓ 0.6s

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

[5] ✓ 0.7s

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

```

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"

```

[9] ✓ 0.1s

```

water_left([5, 100, 2])

```

[11] ✗ 0.2s

```

...
-----
RuntimeError                                Traceback (most recent call last)
c:\launch\modulo10.ipynb Cell 8' in <module>
----> 1 water_left(5, 100, 2)

c:\launch\modulo10.ipynb Cell 7' in water_left(astronauts, water_left, days_left)
    12 total_water_left = water_left - total_usage
    13 if total_water_left < 0:
--> 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"

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

```