

1.-

```
C: > Users > 2342107 > Documents > InnovacionVirtual > OnBoarding > Module 10 > open.py >
1  def main():
2      |   open("/path/to/mars.jpg")
3
4  if __name__ == '__main__':
5      |   main()
```

```
C:\Users\2342107\Documents\InnovacionVirtual\OnBoarding\Module 10>py open.py
Traceback (most recent call last):
  File "C:\Users\2342107\Documents\InnovacionVirtual\OnBoarding\Module 10\open.py", line 5, in <module>
    main()
  File "C:\Users\2342107\Documents\InnovacionVirtual\OnBoarding\Module 10\open.py", line 2, in main
    open("/path/to/mars.jpg")
FileNotFoundError: [Errno 2] No such file or directory: '/path/to/mars.jpg'
```

2.-

```
C: > Users > 2342107 > Documents > InnovacionVirtual > OnBoarding > Module 10 > 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()
```

```
C:\Users\2342107\Documents\InnovacionVirtual\OnBoarding\Module 10>py config.py
Traceback (most recent call last):
  File "C:\Users\2342107\Documents\InnovacionVirtual\OnBoarding\Module 10\config.py", line 9, in <module>
    main()
  File "C:\Users\2342107\Documents\InnovacionVirtual\OnBoarding\Module 10\config.py", line 3, in main
    configuration = open('config.txt')
PermissionError: [Errno 13] Permission denied: 'config.txt'
```

3.-

```
C: > Users > 2342107 > Documents > InnovacionVirtual > OnBoarding > Module 10 > config.py > ..  
1 def main():  
2     try:  
3         configuration = open('config.txt')  
4     except Exception:  
5         print("Couldn't find the config.txt file!")
```

```
C:\Users\2342107\Documents\InnovacionVirtual\OnBoarding\Module 10>py config.py  
Couldn't find the config.txt file!
```

4.-

```
C: > Users > 2342107 > Documents > InnovacionVirtual > OnBoarding > Module 10 > 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     except IsADirectoryError:  
7         print("Found config.txt but it is a directory, couldn't read")  
8     except PermissionError:  
9         print("Couldn't read file config.txt, permission denied!")  
10 if __name__ == '__main__':  
11     main()
```

```
C:\Users\2342107\Documents\InnovacionVirtual\OnBoarding\Module 10>py config.py  
Traceback (most recent call last):  
  File "C:\Users\2342107\Documents\InnovacionVirtual\OnBoarding\Module 10\config.py", line 11, in <module>  
    main()  
  File "C:\Users\2342107\Documents\InnovacionVirtual\OnBoarding\Module 10\config.py", line 3, in main  
    configuration = open('config.txt')  
PermissionError: [Errno 13] Permission denied: 'config.txt'  
  
C:\Users\2342107\Documents\InnovacionVirtual\OnBoarding\Module 10>py config.py  
Couldn't read file config.txt, permission denied!
```

5.-

```
C:\Users\2342107\Documents\InnovacionVirtual\OnBoarding\Module 10>py config.py  
Couldn't find the config.txt file!
```

6.-

```
C: > Users > 2342107 > Documents > InnovacionVirtual > OnBoarding > Module 10 > config.py >
1  def main():
2      try:
3          configuration = 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 if __name__ == '__main__':
11     main()
```

```
C:\Users\2342107\Documents\InnovacionVirtual\OnBoarding\Module 10>py config.py
Couldn't find the config.txt file!
```

```
C:\Users\2342107\Documents\InnovacionVirtual\OnBoarding\Module 10>py config.py
Found config.txt but couldn't read it
```

1.-

```
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)
✓ 0.6s
'Total water left after 2 days is: -10 liters'
```

```
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)
```

⊗ 0.9s

Python

```
-----
RuntimeError                                Traceback (most recent call last)
Untitled-1.ipynb Cell 2' 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 2' 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!
```

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

⊗ 0.1s

```
-----
TypeError                                Traceback (most recent call last)
Untitled-1.ipynb Cell 4' in <module>
----> 1 water_left("3", "200", None)

Untitled-1.ipynb Cell 2' 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'
```

```
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"

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

⊗ 0.1s

```
-----
TypeError                                Traceback (most recent call last)
Untitled-1.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)
Untitled-1.ipynb Cell 5' 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 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'
```