

KATA NUM. 10

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Modulo10.ipynb X Modulo9.ipynb config.py
Modulo10 > Modulo10.ipynb > def water_left(astronauts, water_left, days_left): for argument in [astronauts, water_left, days_left]: try: argument / 10 except TypeError: raise TypeError(f...
+ Code + Markdown Run All Clear Outputs of All Cells Restart Interrupt Variables Outline ... Python 3.10.2 64-bit

#Manejo de Errore Try and Except

open("/path/to/mars.jpg")
[1] 0.4s Python

...
-----
FileNotFoundError Traceback (most recent call last)
c:\Users\uriel\Desktop\MicrosoftLaunchX\Modulo10\Modulo10.ipynb Cell 1: in <module>
----> 1 open("/path/to/mars.jpg")

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

```
MICROSOFTLA... Modulo2 Modulo10 config.py Modulo10.ipynb open.py Modulo0.ipynb Modulo1.ipynb Modulo3.ipynb Modulo4.ipynb Modulo5.ipynb Modulo6.ipynb Modulo7.ipynb Modulo8.ipynb Modulo9.ipynb
def main():
    open("/Desktop/MicrosoftLaunchX/Modulo10")

if __name__ == '__main__':
    main()
[5] 0.5s Python

...
-----
FileNotFoundError Traceback (most recent call last)
c:\Users\uriel\Desktop\MicrosoftLaunchX\Modulo10\Modulo10.ipynb Cell 2: in <module>
2 open("/Desktop/MicrosoftLaunchX/Modulo10")
4 if __name__ == '__main__':
----> 5 main()

c:\Users\uriel\Desktop\MicrosoftLaunchX\Modulo10\Modulo10.ipynb Cell 2: in main()
1 def main():
----> 2 open("/Desktop/MicrosoftLaunchX/Modulo10")

FileNotFoundError: [Errno 2] No such file or directory: '/Desktop/MicrosoftLaunchX/Modulo10'
```

```
try:
    open('config.txt')
except FileNotFoundError:
    print("No se puede encontrar el config.txt")
✓ 0.3s Python

No se puede encontrar el config.txt

def main():
    try:
        open('config.txt')
    except FileNotFoundError:
        print("No se puede encontrar el config.txt")

if __name__ == '__main__':
    main()
✓ 0.2s Python

No se puede encontrar el config.txt
```

```
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")
```

✓ 0.4s

Python

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

✓ 0.4s

Python

got a problem trying to read the file: [Errno 2] No such file or directory: 'mars.jpg'

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

✓ 0.3s

Python

Couldn't find the config.txt file!

```
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"
```

✓ 0.5s

Python

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

✓ 0.3s

Python

'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"No hay suficiente agua para {astronauts} astronauts despues {days_left} dias!")
    return f"Agua sobrante despues {days_left} dias es: {total_water_left} litros"
```

✓ 0.6s

Python

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

0.6s

```
-----
RuntimeError                                Traceback (most recent call last)
c:\Users\uriel\Desktop\MicrosoftLaunchX\Modulo10\Modulo10.ipynb Cell 12' in <module>
----> 1 water_left(5, 100, 2)

c:\Users\uriel\Desktop\MicrosoftLaunchX\Modulo10\Modulo10.ipynb Cell 11' 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"No hay suficiente agua para {astronauts} astronauts despues {days_left} dias!")
      7 return f"Agua sobrante despues {days_left} dias es: {total_water_left} litros"

RuntimeError: No hay suficiente agua para 5 astronauts despues 2 dias!
```

```
def water_left(astronauts, water_left, days_left):
    for argument in [astronauts, water_left, days_left]:
        try:
            argument / 10
        except TypeError:
            raise TypeError(f"Todos los argumentos deben de ser tipo entero: '{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"No hay suficiente agua para {astronauts} astronauts despues {days_left} dias!")
    return f"Agua sobrante despues {days_left} dias es: {total_water_left} litros"
```

0.3s

Python

```
water_left("3", "200", "3")
```

0.6s

```
-----
TypeError                                Traceback (most recent call last)
c:\Users\uriel\Desktop\MicrosoftLaunchX\Modulo10\Modulo10.ipynb Cell 13' in water_left(astronauts, water_left, days_left)
      3 try:
----> 4     argument / 10
      5 except TypeError:

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\uriel\Desktop\MicrosoftLaunchX\Modulo10\Modulo10.ipynb Cell 14' in <module>
----> 1 water_left("3", "200", "3")

c:\Users\uriel\Desktop\MicrosoftLaunchX\Modulo10\Modulo10.ipynb Cell 13' in water_left(astronauts, water_left, days_left)
      4     argument / 10
      5     except TypeError:
----> 6         raise TypeError(f"Todos los argumentos deben de ser tipo entero: '{argument}'")
      7 daily_usage = astronauts * 11
      8 total_usage = daily_usage * days_left

TypeError: Todos los argumentos deben de ser tipo entero: '3'
```