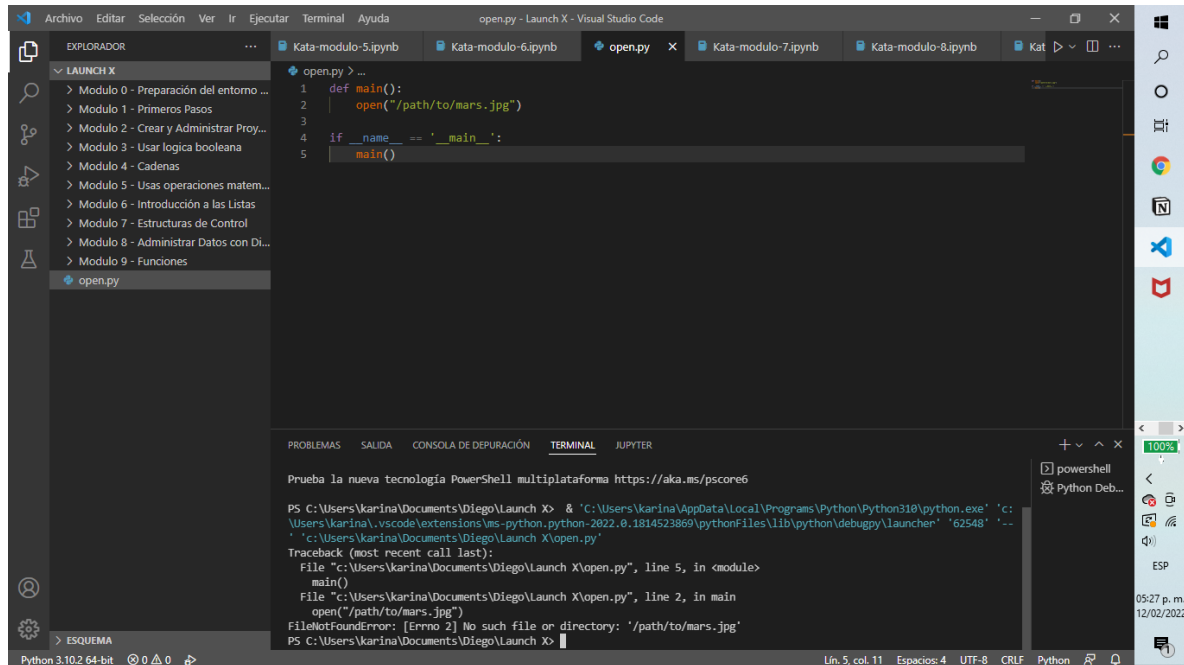


Kata Modulo 10

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Error cuando un archivo o directorio no existe (tracebacks):



The screenshot shows the Visual Studio Code interface with a file explorer on the left containing a 'LAUNCH X' directory with modules 0 through 9 and an 'open.py' file. The main editor displays the code for 'open.py':

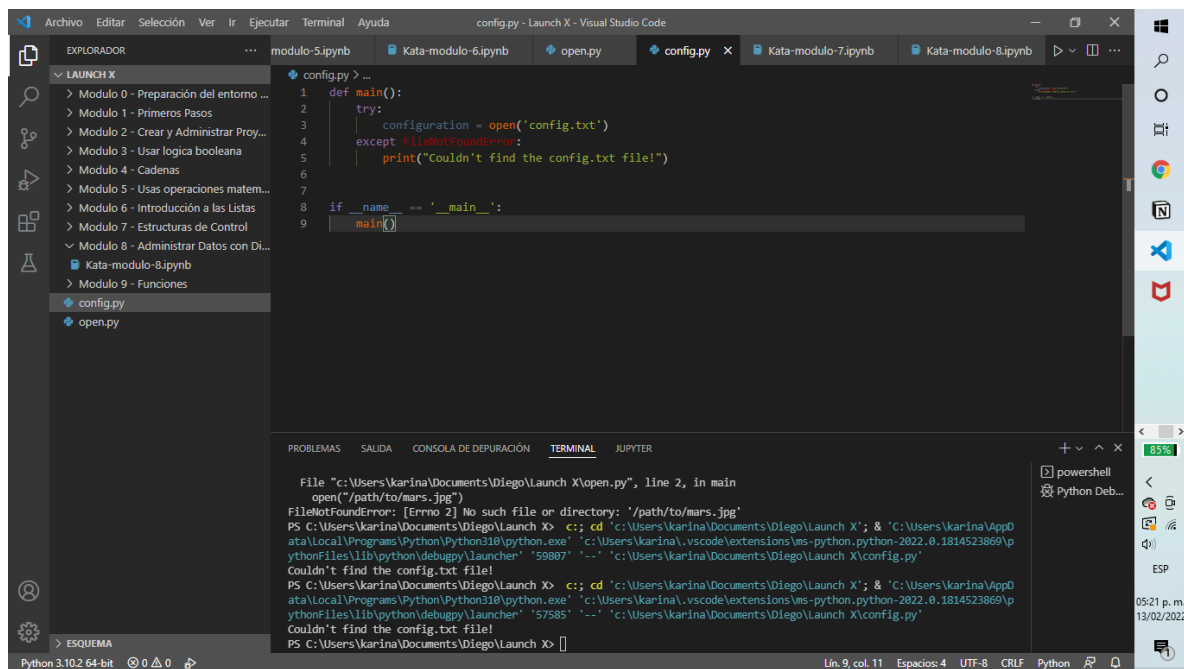
```
1 def main():
2     open("/path/to/mars.jpg")
3
4 if __name__ == '__main__':
5     main()
```

The terminal at the bottom shows the command prompt output:

```
Prueba la nueva tecnología PowerShell multiplataforma https://aka.ms/pscore6

PS C:\Users\karina\Documents\Diego\Launch X> & 'C:\Users\karina\AppData\Local\Programs\Python\Python310\python.exe' 'c:\Users\karina\.vscode\extensions\ms-python.python-2022.0.1814523869\pythonFiles\lib\python\debugpy\launcher' '62548' '-...' 'c:\Users\karina\Documents\Diego\Launch X\open.py'
Traceback (most recent call last):
  File "c:\Users\karina\Documents\Diego\Launch X\open.py", line 5, in <module>
    main()
  File "c:\Users\karina\Documents\Diego\Launch X\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\karina\Documents\Diego\Launch X>
```

Try y except de los bloques:



The screenshot shows the Visual Studio Code interface with a file explorer on the left containing a 'LAUNCH X' directory with modules 0 through 9 and 'config.py' and 'open.py' files. The main editor displays the code for '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()
```

The terminal at the bottom shows the command prompt output:

```
File "c:\Users\karina\Documents\Diego\Launch X\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\karina\Documents\Diego\Launch X> cd 'c:\Users\karina\Documents\Diego\Launch X'; & 'C:\Users\karina\AppData\Local\Programs\Python\Python310\python.exe' 'c:\Users\karina\.vscode\extensions\ms-python.python-2022.0.1814523869\pythonFiles\lib\python\debugpy\launcher' '59807' '-...' 'c:\Users\karina\Documents\Diego\Launch X\config.py'
Couldn't find the config.txt file!
PS C:\Users\karina\Documents\Diego\Launch X> cd 'c:\Users\karina\Documents\Diego\Launch X'; & 'C:\Users\karina\AppData\Local\Programs\Python\Python310\python.exe' 'c:\Users\karina\.vscode\extensions\ms-python.python-2022.0.1814523869\pythonFiles\lib\python\debugpy\launcher' '57585' '-...' 'c:\Users\karina\Documents\Diego\Launch X\config.py'
Couldn't find the config.txt file!
PS C:\Users\karina\Documents\Diego\Launch X>
```

The screenshot shows the Visual Studio Code interface with a Python file named `config.py` open. The file contains the following code:

```
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()
```

The terminal window at the bottom shows the output of running the script. It displays a `FileNotFoundError` message: "FileNotFoundError: [Errno 2] No such file or directory: '/path/to/mars.jpg'". The status bar at the bottom indicates the file is at line 3, column 41.

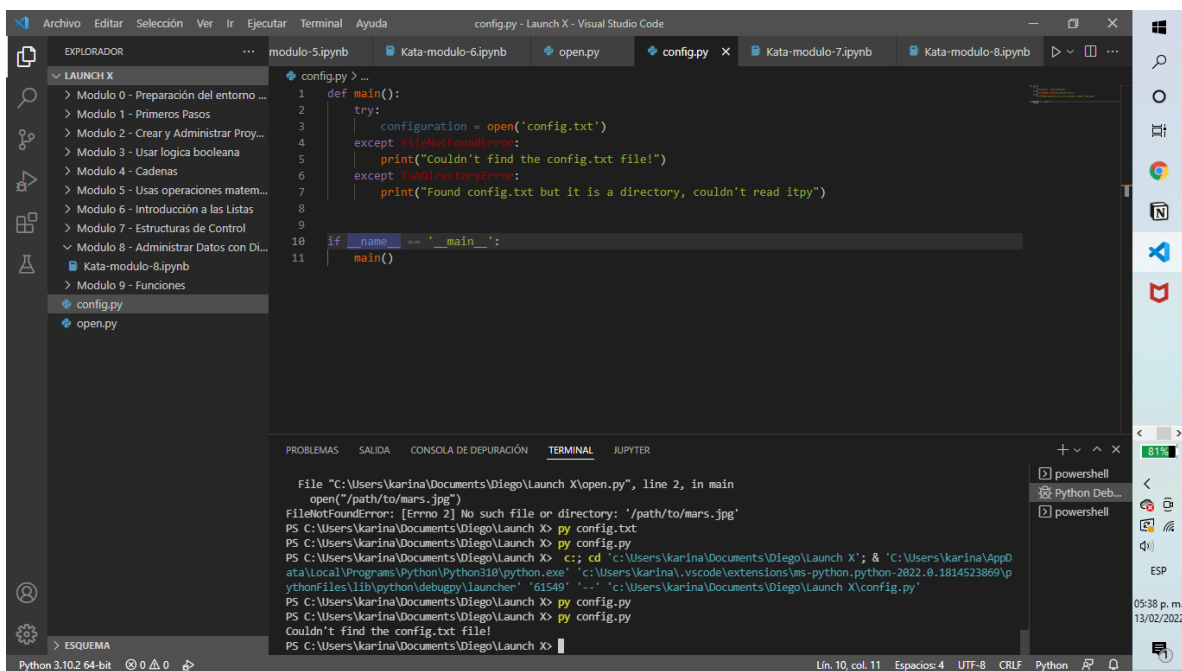
Actualizando el main:

The screenshot shows the Visual Studio Code interface with the `config.py` file updated. The code is now:

```
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()
10
11     open("/path/to/mars.jpg")
```

The terminal window shows the output of running the script. It displays a `FileNotFoundError` message: "FileNotFoundError: [Errno 2] No such file or directory: '/path/to/mars.jpg'". The status bar at the bottom indicates the file is at line 4, column 21.

Agregando bloque de excepciones:



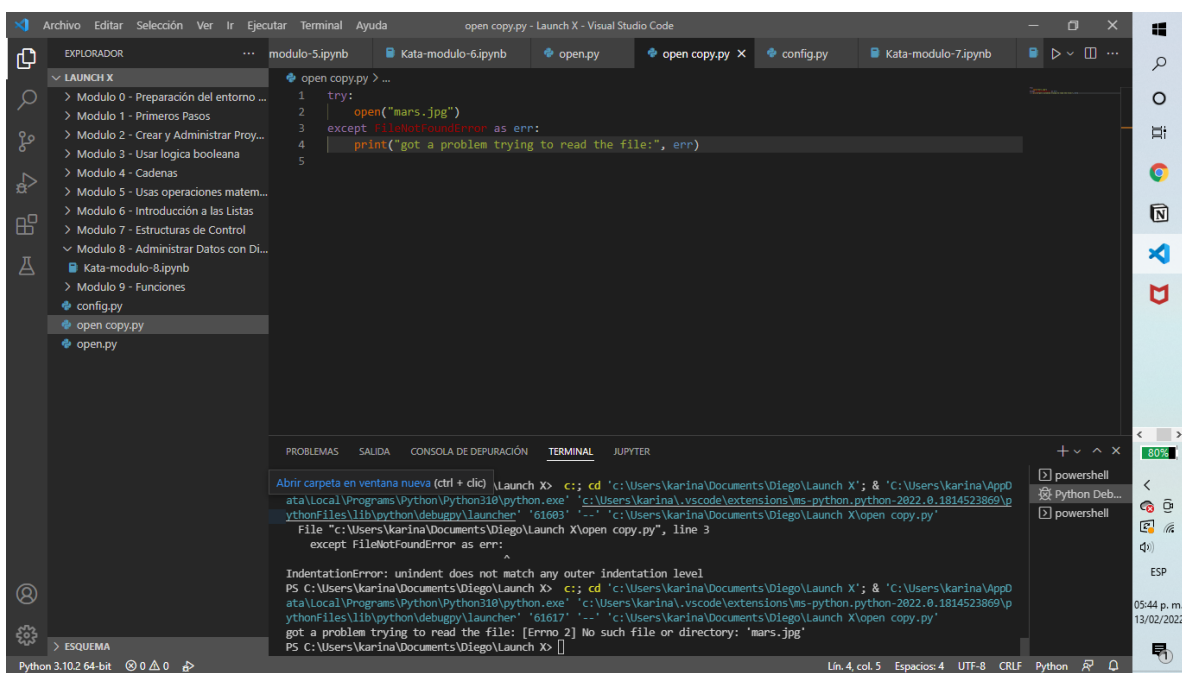
The screenshot shows the Visual Studio Code interface with a Python file named `config.py` open. The file contains a `main` function that attempts to open a file named `config.txt`. The code uses a `try` block to handle `FileNotFoundError` and `IsADirectoryError`. The terminal output shows the execution of the script, which results in a `FileNotFoundError` because the file does not exist.

```
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 itpy")
8
9
10 if __name__ == '__main__':
11     main()
```

Terminal Output:

```
File "C:\Users\Karina\Documents\Diego\Launch X\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\Karina\Documents\Diego\Launch X> py config.txt
PS C:\Users\Karina\Documents\Diego\Launch X> py config.py
PS C:\Users\Karina\Documents\Diego\Launch X> cd 'c:\Users\karina\Documents\Diego\Launch X'; & 'C:\Users\karina\AppData\Local\Programs\Python\Python310\python.exe' 'c:\Users\karina\.vscode\extensions\ms-python.python-2022.0.1814523869\pythonFiles\lib\python\debugpy\launcher' '61549' '-' 'c:\Users\karina\Documents\Diego\Launch X\config.py'
PS C:\Users\Karina\Documents\Diego\Launch X> py config.py
PS C:\Users\Karina\Documents\Diego\Launch X> py config.py
Couldn't find the config.txt file!
PS C:\Users\Karina\Documents\Diego\Launch X>
```

Sustituyendo except por as:



The screenshot shows the Visual Studio Code interface with a Python file named `open copy.py` open. The file contains a `try` block that attempts to open a file named `mars.jpg`. The code uses `except FileNotFoundError as err:` to handle the exception. The terminal output shows the execution of the script, which results in a `FileNotFoundError` because the file does not exist.

```
1 try:
2     open("mars.jpg")
3 except FileNotFoundError as err:
4     print("got a problem trying to read the file:", err)
5
```

Terminal Output:

```
Abriendo carpeta en ventana nueva (ctrl + clic) \Launch X> cd 'c:\Users\karina\Documents\Diego\Launch X'; & 'C:\Users\karina\AppData\Local\Programs\Python\Python310\python.exe' 'c:\Users\karina\.vscode\extensions\ms-python.python-2022.0.1814523869\pythonFiles\lib\python\debugpy\launcher' '61603' '-' 'c:\Users\karina\Documents\Diego\Launch X\open copy.py'
File "c:\Users\karina\Documents\Diego\Launch X\open copy.py", line 3
  except FileNotFoundError as err:
  ^
IndentationError: unindent does not match any outer indentation level
PS C:\Users\karina\Documents\Diego\Launch X> cd 'c:\Users\karina\Documents\Diego\Launch X'; & 'C:\Users\karina\AppData\Local\Programs\Python\Python310\python.exe' 'c:\Users\karina\.vscode\extensions\ms-python.python-2022.0.1814523869\pythonFiles\lib\python\debugpy\launcher' '61617' '-' 'c:\Users\karina\Documents\Diego\Launch X\open copy.py'
got a problem trying to read the file: [Errno 2] No such file or directory: 'mars.jpg'
PS C:\Users\karina\Documents\Diego\Launch X>
```

Utilizando as err:

The screenshot shows the Visual Studio Code interface with a Python file named `config copy.py` open. The file contains a try-except block that attempts to open `config.txt`. The terminal window at the bottom displays the execution output, showing a `FileNotFoundError` and a `NameError`.

```
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!")
```

Terminal Output:

```
ata\Local\Programs\Python\Python310\python.exe' 'c:\Users\karina\.vscode\extensions\ms-python.python-2022.0.1814523869\pythonFiles\lib\python\debugpy\launcher' '61646' '--' 'c:\Users\karina\Documents\Diego\Launch X\config copy.py'
Couldn't find the config.txt file!
Traceback (most recent call last):
  File "c:\Users\karina\Documents\Diego\Launch X\config copy.py", line 10, in <module>
    main()
NameError: name 'main' is not defined. Did you mean: 'min'?
PS C:\Users\karina\Documents\Diego\Launch X> c:; cd 'c:\Users\karina\Documents\Diego\Launch X'; & 'C:\Users\karina\AppData\Local\Programs\Python\Python310\python.exe' 'c:\Users\karina\.vscode\extensions\ms-python.python-2022.0.1814523869\pythonFiles\lib\python\debugpy\launcher' '61651' '--' 'c:\Users\karina\Documents\Diego\Launch X\config copy.py'
Couldn't find the config.txt file!
PS C:\Users\karina\Documents\Diego\Launch X>
```