

Modulo 10

Tracebacks

In 13 1 `open("/path/to/mars.jpg")`

```
-----  
FileNotFoundError                                Traceback (most recent call last)  
~\AppData\Local\Temp\ipykernel_19808\3353646722.py in <module>  
----> 1 open("/path/to/mars.jpg")  
  
FileNotFoundError: [Errno 2] No such file or directory: '/path/to/mars.jpg'
```

In 14 1 `try:`
2 `open('config.txt')`
3 `except FileNotFoundError:`
4 `print("Couldn't find the config.txt file!")`

Couldn't find the config.txt file!

In 15 1 `try:`
2 `open("mars.jpg")`
3 `except FileNotFoundError as err:`
4 `print("got a problem trying to read the file:", err)`

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

In 16 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")`

Couldn't find the config.txt file!

The screenshot shows the PyCharm IDE with a project named 'pythonProject'. The file explorer on the left shows a directory structure with files like 'env', 'venv', 'library root', 'config.py', and several 'ModuleX.ipynb' files. The main editor displays 'open.py' with the following code:

```
1 def main():
2     open("/path/to/mars.jpg")
3
4 if __name__ == '__main__':
5     main()
6
7
```

The Run window at the bottom shows a traceback error:

```
Traceback (most recent call last):
  File "C:/Users/SKU_1084303565/PycharmProjects/pythonProject/open.py", line 5, in <module>
    main()
  File "C:/Users/SKU_1084303565/PycharmProjects/pythonProject/open.py", line 2, in main
    open("/path/to/mars.jpg")
FileNotFoundError: [Errno 2] No such file or directory: '/path/to/mars.jpg'
```

Below the traceback, it says 'Process finished with exit code 1'.

The screenshot shows the PyCharm IDE with the same project. The file explorer shows a 'config.txt' file. The main editor displays 'config.py' with 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     except IsADirectoryError:
7         print("Found config.txt but it is a directory, couldn't read it")
8     except (BlockingIOError, TimeoutError):
9         print("Filesystem under heavy load, can't complete reading configuration file")
10
11
12 if __name__ == '__main__':
13     main()
14
```

The Run window at the bottom shows a traceback error:

```
Traceback (most recent call last):
  File "C:/Users/SKU_1084303565/PycharmProjects/pythonProject/config.py", line 13, in <module>
    main()
  File "C:/Users/SKU_1084303565/PycharmProjects/pythonProject/config.py", line 3, in main
    configuration = open('config.txt')
PermissionError: [Errno 13] Permission denied: 'config.txt'
```

Below the traceback, it says 'Process finished with exit code 1'.

