

Python File Read

Python can read the contents of a file. Place a TXT file on your computer in a location you remember and put two or three lines of text in it.

```
with open("c:\\data\\pythonTest.txt") as file:  
    print (file.read())
```

Outputs my file:

```
Hello Students,  
This file was saved on my HDD at C:\data  
Python can read the contents of this file.
```

The file will be closed automatically after being read. We can confirm this:

```
with open("c:\\data\\pythonTest.txt") as file:  
    print (file.read())  
  
print(file.closed) # <-- Prints "True" if the file is closed.
```

If the file doesn't exist in this location, an **exception** will interrupt the program so we should add an **exception handler** to stop errors from breaking the code.

```
try:  
    with open("c:\\data\\pythonTest.tx") as file:  
        print(file.read())  
  
except FileNotFoundError:  
    print("That file was not found :)")
```

The code now has a typo in the path (missing a t at the end). Instead of breaking, the code will handle the exception and notify the user that the code cannot be found.