

Sample Program 10.1

About File I/O

Problem statement. Write a code block to open a file `data.txt` and count the number of lines in it.

Solution.

```
nLines = 0
fileName = "test.py"

try:
    fin = open(fileName)
    for lineFromFile in fin:
        nLines += 1
    fin.close()

except:
    print("file not found")

print("The file", fileName, "is", nLines, "long.")
```

Problem statement. Write a code block to copy the file `dataOld.txt` to `dataNew.txt`.

Solution.

```
try:
    fin = open("dataOld.txt")
    fout = open("dataNew.txt", "w")
    for lineFromFile in fin:
        fout.write(lineFromFile)
    fout.close()
    fin.close()

except:
    print("file error")
```