

7.2 Write a program that prompts for a file name, then opens that file and reads through the file, looking for lines of the form:

X-DSPAM-Confidence: 0.8475

Count these lines and extract the floating point values from each of the lines and compute the average of those values and produce an output as shown below. Do not use the sum() function or a variable named sum in your solution.

You can download the sample data at <http://www.py4e.com/code3/mbox-short.txt> when you are testing below enter **mbox-short.txt** as the file name.

Check Code

Reset Code



```
1 # Use the file name mbox-short.txt as the file name
2 fname = input("Enter file name: ")
3 fh = open(fname)
4 tot=0
5 count = 0
6 for line in fh:
7     if not line.startswith("X-DSPAM-Confidence:") : continue
8     pos = line.find('0')
9     t = line[pos:pos+6]
10    w = float(t)
11    tot = tot + w
12    count = count + 1
13 print("Average spam confidence:",tot/count)
14
```

Your Output

Desired Output

Average spam confidence: 0.750718518519

Setting: Hide editor This software is based on Skulpt [and](#) CodeMirror [. The source code for this auto-grader is available on on GitHub \[.\]\(#\)](#)

Select Language ▼