

8.4 Open the file `romeo.txt` and read it line by line. For each line, split the line into a list of words using the `split()` method. The program should build a list of words. For each word on each line check to see if the word is already in the list and if not append it to the list. When the program completes, sort and print the resulting words in alphabetical order.

You can download the sample data at <http://www.py4e.com/code3/romeo.txt>

Check Code**Reset Code**

```
1 fname = input("Enter file name: ")
2 fh = open(fname)
3 lst = list()
4 for line in fh:
5     line = line.rstrip()
6     sp = line.split()
7     for word in sp:
8         if word in lst:continue
9         lst.append(word)
10 lst.sort()
11 print(lst[:])
12
13
```

Your Output**Desired Output**

```
['Arise', 'But', 'It', 'Juliet', 'Who', 'already', 'and', 'breaks',
'east', 'envious', 'fair', 'grief', 'is', 'kill', 'light', 'moon', 'p
ale', 'sick', 'soft', 'sun', 'the', 'through', 'what', 'window', 'wit
h', 'yonder']
```

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

Select Language ▼