

Chapter 8: Homework 4 - Strings

CSCI111: Introduction to Computing

Assigned: Friday, April 17, 2020

Due: Friday, April 24, 2020 at midnight on Blackboard

The following functions are all intended to check whether a string contains any lowercase letters, but at least some of them are wrong. For each function, describe what the function actually does (assuming that the parameter is a string).

a.

```
def any_lowercase1(s):
    for c in s:
        if c.islower():
            return True
        else:
            return False
```

b.

```
def any_lowercase2(s):
    for c in s:
        if 'c'.islower():
            return 'True'
        else:
            return 'False'
```

c.

```
def any_lowercase3(s):
    for c in s:
        flag = c.islower()
    return flag
```

d.

```
def any_lowercase4(s):
    flag = False
    for c in s:
        flag = flag or c.islower()
    return flag
```

e.

```
def any_lowercase5(s):
    for c in s:
        if not c.islower():
            return False
    return True
```

Requirements for this program are as follows:

1. Write your answers neatly and clearly in a Word (or other word-processing) document.
2. Include a header with Author, Assignment (Program 1), Description, and Due Date
3. Your answers should be typed.
4. Leave at least three blank lines between each part of the problem.
5. Your word file should be named `homework4_WillM.py` where you replace WillM with your first name and last initial.
6. submit just that program on Blackboard under **Chapter8, Homework 4**.