

This assignment is based on Exercise 8.4 from your textbook. Each of the following Python functions is **supposed** to check whether its argument has any lowercase letters.

For each function, describe **what it actually does** when called with a string argument. If it does not correctly check for lowercase letters, give **an example argument that produces incorrect results**, and describe why the result is incorrect.

1

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

2

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

3

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

4

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

5

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