# 1.

def any\_lowercase1(s):  
     for c in s:  
          if c.islower():  
               return True  
          else:  
               return False

So this example checks whether the **first character** of the string is in lower case, and how to use it i call **any\_lowercase1()** pass in my string argument

c = ‘People’

s = ‘places’

when i call **any\_lowercase1(s)** it will return true, because the first character for variable s is in lowercase.

If I changed my variables to have capital in the middle or at the end for example

C = ‘peoplE’

S = ‘plaCes’

It will retunr **true on both calls**

**#2.**

C = ‘peoplE’

S = ‘plaCes’

def any\_lowercase2(s):  
     for c in s:  
          if 'c'.islower():  
               return 'True'  
          else:  
               return 'False'

so this will return **true** no matter what variable argument we pass, because of the character ‘c’, the if statement checks only ‘c’ and in this particular instance it’s correct.

#3.

def any\_lowercase3(s):  
     for c in s:  
          flag = c.islower()  
     return flag

This is going to check the whole variable if there is any character with lowercase for example

c = 'People'

s = 'PLACES'

**>>> any\_lowercase3(s)**

**>>> False**

#4.

c = 'People'

s = 'Places'

def any\_lowercase4(s):  
     flag = False  
     for c in s:  
          flag = flag or c.islower()  
     return flag

This shows our variable flag always being false, until in the body of our for loop we check if either flag is still false or it has changed to have characters with lowercase. This is correct. if we change variable s = ‘PLACES’ and capitalise it, then call the function, it will return false. Proving that our function works the way it should.

#5.

c = 'People'

s = 'plaCes'

def any\_lowercase5(s):  
     for c in s:  
          if not c.islower():  
               return False  
     return True

This one check the whole string in the variable whether there **no lower case**, if there is any Capitals it **returns False** if the string is all lowercase it will **return True**