

CPSC120  
Fundamentals of Computer Science  
In-class Activity 21

1. In python, why does comparing the equality of two floats using the double equals operator, `==`, sometimes lead to program errors.

2. For each of the following snippets of Python code, give what would be printed to the command line if run. If the snippet will not print anything because of an error, just put error.

(a) `print(7 > 9 or 9 < 7)`

(b) `spam = "abcd"`  
`print(spam[2:4] + spam[0:2])`

(c) `spam = list(range(1, 6, 2))`  
`eggs = []`  
`for i in range(len(spam) - 1):`  
 `eggs.append(spam[i] + spam[i + 1])`  
`print(eggs)`

(d) `def spam(eggs):`  
 `eggs = eggs + 1`  
 `eggs = 2`  
 `spam(eggs)`  
 `print(eggs)`

(e) `def spam(eggs):`  
 `eggs.append(1)`  
 `eggs = [2]`  
 `spam(eggs)`  
 `print(eggs)`

