CS1026 Computer Science Fundamentals Extra Questions

Answer each of the following questions.

1)	For each of the following provide a short answer. a) What is 12.0/3?
	b) What is 13//3?
	c) What is 13 % 3?
2)	What is the difference between = and == ?
3)	What is output by the following code segment? values = ["Q", "W", "E", "R", "T", "Y"] print(values[2:4])
4)	Consider the following code segment. It should display a message only if the cost is between 50 and 75 dollars. The message should also be displayed if the cost is exactly 50 dollars or exactly 75 dollars. if
5)	What is the output of the code snippet given below? s = "abcde" i = 0 while i < 5: if i > 1: print(s[i])
	i = i+1

```
6) What does the following code snippet print?

position = 0

str = input("Enter a string")

while position < len(str):

if str[position] in 'aeiou':

print(position)

position = position + 1
```

7) What will be the output of the following code snippet? for i in range(0,7): for j in range(7, i, -1): print("*", end="") print("")

8) The following function is supposed to add 1 to any odd integers in the list. The function has 3 logic errors. Identify the logic errors and correct them. Note that there may be more than one logic error on a line.

```
def addOne(values) :
  for i in range(1,len(values)) :
    if values[i] % 3 == 0 :
      values[i] = values[i] + 1
```