

## 22C:16 (CS:1210) Quiz 2

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You have 20 minutes to complete this quiz.

1. Write down the output produced by the following program:

```
n = 5
m = 2
while m <= n:
    if (m * n) % 4 == 0:
        print "Line 1", n, m
        m = m + 1
    else:
        print "Line 2", n, m
        n = n + 1
        m = m + 2
```

2. Write a program that prompts the user for a sequence of positive integers and then outputs the number of integers that are multiples of 10. The user will input 0 to indicate that she is finished inputting her sequence of positive integers. The 0 is not considered part of the sequence that your program needs to process. Here is an example interaction between the user and the program.

```
Enter a number: 110
Enter a number: 19
Enter a number: 90
Enter a number: 135
Enter a number: 1000
Enter a number: 0
Number of multiples of 10 is 3
```

3. For each expression below, specify its type and value.

	Expression	Type	Value
1	<code>27/3.0</code>		
2	<code>float(str(25%3) + str(5/2))</code>		
3	<code>17/10 != 17.0/10.0</code>		
4	<code>int(17/2.0)</code>		
5	<code>"hello" + "100" + "hi"</code>		
6	<code>"100.0" == 100.00</code>		
7	<code>float(1.5) + int(1.5)</code>		
8	<code>float("300." + "300")</code>		
9	<code>"hello" != " hello "</code>		
10	<code>True</code>		

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