

## 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 = 6
m = 3
while (n - m) < 6:
    if (m * n) % 4 == 0:
        print "Line 1", n, m
        m = m - 1
    print "Line 2", n, m
    n = n + 1
```

2. Write a program that reads a positive integer, say  $N$ , and outputs all ordered pairs of positive integers whose sum is  $N$ . For example, if  $N$  is 7, your output should be:

```
1 6
2 5
3 4
4 3
5 2
6 1
```

The order in which the ordered pairs appear is not important, just that all ordered pairs have to be present in the output.

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

	Expression	Type	Value
1	<code>float(27/3)</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>"pavan" == ("pav" + "van")</code>		
6	<code>"100.0" != 100</code>		
7	<code>float(1.5) + int(1.5)</code>		
8	<code>float("300." + "00")/100</code>		
9	<code>"hello" != " hello "</code>		
10	<code>True != False</code>		

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