Programming for VR 1 — Processing & debugging Quiz 5 Feb 25 2020	Full name: This quiz is worth a total of 5 points .
Answer each question to the best of your a	bility. The last question is a bonus.
1. True or False: the fastest way to multiply two big nu times.	mbers M, N together is to add M to itself (N - 1
False	
2. You found some code on Github that implements an	algorithm that you need. How do you check that
the code is correct? Give two answers.	
Various answers	
3. Write a function called mypoly that takes in two arguments are supported by the support of th	ments, a and b, and returns $a^2 + b + 1$.
def mypoly(a,b): return $a ** 2 + b + 1$	
4. What's the result of running this code? Step through t	the function to find the answer.
<pre>def the_pyramid(level):</pre>	
<pre>line = [1] for i in range(level):</pre>	
<pre>line.append(line[-1] * return line</pre>	2)
<pre>print(the_pyramid(3))</pre>	
[1, 2, 4, 8]	
5. This code refuses to run. What is wrong with this code	e?

```
def bad_code():
    for i in range(5):
        y += i
    return y
y = 0
print(bad_code())
y = 0 has to be defined inside the function
```

2

6. (bonus) Write a function tictoc that loops over the number 1 to 100. If should print tic and toc in succession if the number if divisible by 3 or the number otherwise. The initial printout of this function should be:

```
1
                                   def tictoc():
2
                                     for i in range(1, 101:
tic
                                      if i%3!= 0:
4
                                        print(i)
5
                                      else:
toc
                                        if i % 2 == 1:
7
                                          print("tic")
8
                                        else:
{\tt tic}
                                          print("toc")
10
```