**Lists**

1) The variable ’q’ is a list of things. Write (maybe one or two or so) lines of code that prints the last item in the list.

2) Suppose q = [1,2,3,40,50,60,7]. Write a slice that grabs the 3,40,and 50 from the list and nothing else.

3) Write some code that prints each item from the list, preceded by hello. It should work on any list, but for ‘q’ above it would look like this:

 hello 1

 hello 2

 hello 3

 hello 40

 hello 50

 hello 60

 hello 7

**Control Structures**

1) How many times does this print?

 for i in range(3):

 print(“Dogs are better than cats”)

2) Which value of ‘num’ will cause the code below to print ‘ocean’?

 if num > 5:

 print(“Big”)

 elif num < 2:

 print(“Small”)

 elif num == 6:

 print(“Ocean”)

 else:

 print(“Weird”)

3) Which values of ‘num’ will cause the code below to print ‘weird’?

**Files**

There is a file at <http://euclid.nmu.edu/~rappleto/Classes/CS201/Tests/cs201-file-IO-quiz2.txt>. You get a point for printing the file in Python, another point for printing the count of the number of lines which is 8, and a third point for printing the average (mean) which is -2.2625.