Level 2: Loops

1. Complete “Lesson 10: Loops – What Are Loops” and “Lesson 10: Loops – Counting Loops” by typing the sample commands in the white area of the IDE.

a. Modify the loop to start at 0 and repeat 5 times..

b. Provide your modified code and resulting output below.

for mynum in [0, 1, 2, 3, 4, 5]:

print("Hello", mynum)

2. Create a list of the names of at least 5 of your friends and use a counting loop to print out their names as follows:.

a. Create a list of the names of at least 5 of your friends.

b. Identify the highest list index (i.e. Index of the last name.)

c. Create a counting loop to loop over the list indexes

d. Use the loop index number to print “Hello “ + name for each of your friends.

e. Provide your modified code and resulting output below.

Friendnum [“Jeff”, “Bob”, “Al”, “John”, “Dave”]

print ("Hello", friendnum)

The highest index is 4 which is Dave.

friendnum[4]

Dave

3. Complete “Lesson 10: Loops – Conditional Loops” by typing the sample commands in the white area of the IDE.

a. Modify the loop to stop when the count becomes greater than 5.

b. Provide your modified code and resulting output below.

mycount = 0

while (mycount < 6):

print('The count is:', mycount)

mycount = mycount + 1

4. Create a list of the names of at least 5 of your friends and use a conditional loop to print out their names as follows:.

a. Use your list of friends from question #2 above

b. Create a conditional loop to loop over the list indexes

c. Use the loop index number to print “Hello “ + name for each of your friends.

d. Provide your modified code and resulting output below.

Friendnum [“Jeff”, “Bob”, “Al”, “John”, “Dave”]

Mycount = -1

while (mycount < 4):

mycount = mycount + 1

print("Hello", friendnum[mycount])