

INFORMATICS PRACTICES
CH 5 Flow of control– WS3
Predict the output

Name: _____

Class: XI

1.	Use the python range function to create the following list : [7,3,-1,-5]	range(7,-6,-4)
2.	c=0 for x in range(10): for y in range(5): c+=1 print(c)	50
3.	for x in range(5): print(x)	0 1 2 3 4 5
4.	for p in range(1,10): print(p)	1 2 3 4 5 6 7 8 9
5.	for q in range(100,50,-10): print(q)	100 90 80 70 60
6.	for z in range(-500,500,100): print(z)	-500 -400 -300 -200 -100 0 100 200 300 400
7.	for x in range(500,100,100): print("*",y)	No output -No elements in the sequence(list)
8.	if (4+5 ==10): print("True") else: print("False") print("True")	False True

9.	Under what conditions will this code fragment print "water" <pre> if temp<32: print("ice") elif temp <212: print("water") else: printn("stream") </pre>	Temp>=32 and temp<212
10.	<pre> x=1 if x>3: if x>4: print("A",end=' ') else: print("B",end=' ') elif x<2: if(x!=0): print("C",end=' ') print("D") </pre>	C D
11.	<pre> if int('zero')==0: print('Zero') elif str(0)=='zero': print(0) elif str(0)=='0': print(str(0)) else: print("None of the above") </pre>	Error zero is a string.It cannot be converted to int
12.	What would it print for input as 4 ? <pre> n=int(input("Enter an integer : ")) if n<1: print("Invalid value") else: for i in range(1,n+1): print(i*i) </pre>	Enter an integer : 4 1 4 9 16
13.	What would it print for input as 2 ? <pre> n=int(input("Enter an integer : ")) if n>0: for a in range(1,n+n): print(a/(n/2)) else: print("Now quitting") </pre>	Enter an integer : 2 1.0 2.0 3.0 Now quitting
14.	<pre> for x in range(3): for y in range(4): print(x,y,x+y) </pre>	0 0 0 0 1 1 0 2 2 0 3 3 1 0 1 1 1 2 1 2 3 1 3 4 2 0 2 2 1 3

		2 2 4 2 3 5
15.	Predict the output . Also check how many times is the condition of the if clause evaluated? <pre> for i in range(4): for j in range(5): if i+1==j or j+i==4: print("+",end=' ') else: print("0",end=' ') print()</pre>	0 + 0 0 + 0 0 + + 0 0 0 + + 0 0 + 0 0 + 8 times
16.	<pre> count = 0 while count < 3: print("Count is:", count) count += 1 else: print("Loop ended normally.")</pre>	Count is: 0 Count is: 1 Count is: 2 Loop ended normally.