INFORMATICS PRACTICES
CH 4 Data Handling – WS2

1. Identify the data types of the values given below?

a)	3		b)	3j	
c)	13.0		d)	'13'	
e)	"13"		f)	2+0j	
g)	13		h)	[3,13,2]	
i)	(3,13,2)		j)	{'a':0), 'b':23}	

2. What will be the output for the following?

a)	print(len(str(17//4)))	
b)	print(len(str(17/4)))	
c)	13 or len(13)	
d)	len(13) or 13	

3. What will be the output produced by these ?

a)	12/4	
b)	14//14	
c)	14%4	
d)	14.0/4	
e)	14.0//4	
f)	14.0%4	

4. What will be the output of the following code ?

a)	5 < 5 or 10	
b)	5<10 or 5	
c)	5<(10 or 5)	
d)	5 < (5 or 10)	

5. What would Python produce if for the following code , the input given is

i) 11 ii) hello iii) 0 vi) 5-5 v) just return key pressed , no input given

Code

bool(input("input : ")) and 10 < 13 - 2

6. What would be the output produced by the following code ?

a)	87//5	
b)	87//5.0	
c)	(87//5.0)== (87//5)	
d)	(87//5.0)== int(87//5.0)	
e)	(87//int(5.0))== (87//5.0)	

7. What would be the output produced by the following code ?

a)	17%5	
b)	17%5.0	
c)	(17%5)== (17%5)	
d)	(17%5) is (17%5)	
e)	(17%5.0)== (17%5.0)	
f)	(17%5.0) is (17%5.0)	

8. Given Str1=”Informatics”

a)	Str1[0]	
b)	Str1[1]	
c)	Str1[-5]	
d)	Str1[-4]	
e)	Str1[12]	

9. What will be the output produced by the following code statements ? State reason.

a)	bool(0)		
b)	bool(1)		
c)	bool(‘0’)		
d)	bool(‘1’)		
e)	bool(‘’)		
f)	bool(0.0)		
g)	bool(‘0.0’)		
h)	bool(0j)		
i)	bool(‘0j’)		
j)	bool(int(‘0’))		
k)	bool(str(0))		
l)	bool(float(‘0.0’))		
m)	bool(str(0.0))		

10. What will following code print?

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Str1=’’’Hello
        0’’’
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	Str2='''Hello\ 0''' print(len(Str1)>len(Str2))
11.	Are these values equal? Why/Why not ?
	i) 20 and 20.0
	ii) 20 and int(20)
	iii) str(20) and str(20.0)
	iv) 'a' and "a"
12.	a=15.5,b=15.5 , then why is a is b is False and a==b is True ?
13.	Which conversion function you would use for following type of conversions. a) Boolean to string b) Integer to float c) Float to integer d) String to integer e) String to float f) String to Boolean g) Integer to complex