Worksheet-2

Python

1. B

2. C

3. A

4. A

5. C

6. C

7. A

8. B

9. A,B,D

10. A,C,D( though A and C are assigned as tuple)

11.lists and dictionaries are mutable while all others are immutable.

Sets have unique value while all others can have duplicate values.

Dictionaries and sets are unordered.

12. No, strings are not mutable.They are unmutable.To change its value we have to store it in another variable.

13. a="c"

b=ord(a)

print(b)

The answer is 99 and 99 is the ASCII value of c.The ord function returns the ascii value of characters in numbers.

14. import cmath

a=1

b=5

c=6

#calculate the discriminant

d=(b\*\*2)-(4\*a\*c)

#find two solutions

sol1=(-b-cmath.sqrt(d))/(2\*a)

sol2=(-b+cmath.sqrt(d))/(2\*a)

print('the solution are {0} and {1}'.format(sol1,sol2))

15. s=int(input("enter your nos"))

sum=0

sum=(s\*(s+1))/2

print(sum)