Freedom International School
Computer Science
Worksheet
Output Questions on String

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

```
str1='1ab2c34de'
rstr1=''
index=len(str1)
while index>0:
    if str1[index-1].isalpha():
        rstr1+=str1[index-1]
    else:
        rstr1+=str1[index+1]
    index=index-1
print(rstr1)
```

i) ededc3bab
ii) ededc4bab
iii) eded34bab
iv)ededc3ba

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

```
str=’Hello! How are you?’
print(str[20:2:-2])
```

i) ?oroo
ii) uyea w
iii) ?o r o o
iv)?o r o o !

3. What will the output of the following code be after execution?

```
Msg='Input Raw'
ch='@'
s=""
for cnt in range(len(Msg)):
    if Msg[cnt]>='P' and Msg[cnt]<='S':
        s=s+Msg[cnt].lower()
    else:
        if Msg[cnt]=='N' or Msg[cnt]=='n' or Msg[cnt]==' ':
          s=s+ch
        else:
            if(cnt%2==0):
                s=s+Msg[cnt].upper()
            else:
                s=s+Msg[cnt-1]
print(s)
```

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

```
mystr='sTUdeNT'
newstr=''
count=0
for i in mystr:
    if count%2!=0:
        newstr+=str(count)
    else:
        if i.islower():
            newstr+=i.upper()
        else:
            newstr+=i
            count+=1
            newstr+=mystr[:1]
print(newstr)
```

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

```
str='Welcome to my blog'
print(str[-5:-18:-2])
```

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

```
Str='My roll no. is 12'
print(Str.isalnum())
```

7. Select the correct output of the following string operation.

```
str1='Waha'
print(str1[:3]+'Bhyi'+str1[-3:])
```

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

```
s1="csiplearninghub.com"
s2=""
s3=""
for x in s1:
    if(x=="s" or x=="n" or x=="p"):
       s2+=x
print(s2,end=" ")
```

print(s3)

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

```
Name='PythoN3@1'
R=''
for x in range(len(Name)):
    if Name[x].isupper():
        R=R+Name[x].lower()
    elif Name[x].islower():
        R=R+Name[x].upper()
    elif Name[x].isdigit():
        R=R+Name[x-1]
    else:
        R=R+'#'
print(R)
```

10. What would the output of following code be?

```
lst=("Hello", "Nita", "How's", "life")
(a,b,c,d)=lst
print(" a is::",a)
print(" b is::",b)
print(" c is::",c)
print(" d is::",d)
lst=(a,c,b,d)
print(lst[0][0]+lst[1][1],lst[1])
```

11. What will the output be?

```
Msg1='WeLcOME'
Msg2='GUeSTs'
Msg3=''
for i in range(len(Msg2)+1):
    if Msg1[i]>='A' and
Msg1[i]<='M':
        Msg3=Msg3+Msg1[i]
    elif Msg1[i]>='N' and
Msg1[i]<='Z':
        Msg3=Msg3+Msg2[i]
    else:
        Msg3+='*'
print(Msg3)
```

12. Trace the output:

```
Text1="AISSCE 2018"
Text2=""
I=0
while I<len(Text1):
    if Text1[I]>="0" and Text1[I]<="9":
        Val = int(Text1[I])
        Val = Val + 1
        Text2=Text2 + str(Val)
    elif Text1[I]>="A" and Text1[I] <="Z":
        Text2=Text2 + (Text1[I+1])
    else:
        Text2=Text2 + "*"
    I+=1
print(Text2)
```

13. Trace the output of the following code.

```
string = "my name is sumita"
for i in string.split('m'):
    print (i)
for i in string.split('m',2):
    print (i)
```

14. What will the output of the code will be?

```
s="Wonders of World"
print(s.count("O") + s.index("o"))
```

15. Select the correct output of the code:

```
a = "Year 2022 at All the best"
```

```
a = a.split('2')
b = a[0] + ". " + a[1] + ". " + a[3]
print (b)
```

16. What will the output of the code given below be:

```
a) str1='World Peace Day'
for i in str1:
    str1.replace('d','*')
print(str1)

b) M='C#O#M#P#U#T#E#R#S#'
print(M.split('#')[2:-1])

c) S=['CS','IP','IT','PE']
new=[]
for i in S:
    if S.index(i)%2==0:
        new.append(i[len(i)-1])
    elif S.index(i)//2==0:
        new.append(i[0])
print('#'.join(new),end='$')

d) Text='Welcome@ to Ex4m!'
T=''
c=0
for i in Text:
    if not i.isalpha():
        T=T+'*'
    elif not i.isupper():
        T=T+(Text[c+1])
    else:
        val=ord(i)
        val+=1
        T=T+chr(val)
    c+=1
print(T)

e) s="C++VsPy"
   m=""
   for i in range(0, len(s)):
       if (s[i] >= 'a' and s[i]<= 'm'):
           m = m +s[i].upper()
       elif (s[i] >= 'n' and s[i] <= 'z'):
           m = m +s[i-1]
       elif (s[i].isupper()):
           m = m + s[i].lower()
       else:
           m = m +'&'
     print(m)
```

17. Observe the code and write the output

>>> ‘arihant publication’.count(‘hant’, 0, 10)

18. Which of the following statement(s) would give an error after executing thefollowing code?

```
S="Welcome to class XII"        # Statement 1
print(S)                        # Statement 2
S="Thank you"                   # Statement 3
S[0]= '@'                       # Statement 4
S=S+"Thank you"                 # Statement 5
```

a. Statement 3 b) Statement 4 c) Statement 5 d) Statement 4 and 5

19. Predict the output of the code given below:

20. The_____function returns True if all the characters in a string are digits

21. Select the correct output of the following code:

```
>>>str1 = 'India is a Great Country'
>>>str1.split('a')
```

a) ['India', 'is', 'a',' Great', 'Country'] b) ['India', 'is', 'Great', 'Country']

c) ['Indi', ' is ', ' Gre', 't Country'] d) ['Indi', ' is ', ' Gre', 't', 'Country']

22. Given the following string declaration:

myexam="@@CBSE Examination 2022@@"

Write the output of**:**

print(myexam[::-2])

23. What will be the output of:

```
print("Welcome To My Blog"[2:6] + “Welcome To My Blog"[5:9])
```

24. Select the correct output of the code:

```
s = "Python is fun"
l = s.split()
s_new = "-".join([l[0].upper(), l[1], l[2].capitalize()])
print(s_new)
```