CHAPTER 1, 2 & 3

PYTHON REVISION TOUR I & II, WORKING WITH FUNCTIONS

ERROR FINDING QUESTIONS

Q1. Find error in the following code(if any) and correct code by rewriting code and underline the correction;-

```
x= int("Enter value of x:")
for in range [0,10]:
   if x=y
print( x + y)
   else:
print( x-y)
```

Q2. Rewrite the following program after finding and correcting syntactical errors and underlining it.

```
a, b = 0
if (a = b)
a +b = c
print( z)
```

Q3. Rewrite the following code in python after removing all syntax error(s). Underline each correction done in the code.

```
250 = Number
WHILE Number<=1000:
    if Number=>750
        print (Number)
        Number=Number+100
    else
        print( Number*2)
Number=Number+50
```

Q4. Rewrite the following code in python after removing all syntax error(s). Underline each correction done in the code.

```
Val = int(rawinput("Value:"))
Adder = 0
for C in range(1,Val,3)
        Adder+=C
        if C%2=0:
                Print (C*10)
        Else:
                print (C*)
print (Adder)
```

Q5. Rewrite the following code in python after removing all syntax error(s). Underline each correction done in the code.

```
25=Val
for I in the range(0,Val)
        if I%2==0:
                print( I+1)
        Else:
                print (I-1
```

Q6. Rewrite the following code in python after removing all syntax error(s). Underline each correction done in the code.

```
STRING=""WELCOME
NOTE""
for S in range[0,8]:
        print (STRING(S))
```

Q7. Rewrite the following code in python after removing all syntax error(s). Underline each correction done in the code.

```
a=int{input("ENTER FIRST NUMBER")}
b=int(input("ENTER SECOND NUMBER"))
c=int(input("ENTER THIRD NUMBER"))
if a>b and a>c
  print("A IS GREATER")
if b>a and b>c:
  Print(" B IS GREATER")
if c>a  and c>b:
  print(C IS GREATER)
```

Q8. Rewrite the following code in python after removing all syntax error(s). Underline each correction done in the code.

```
i==1
a=int(input("ENTER FIRST NUMBER"))
FOR i in range[1, 11];
  print(a,"*=", i ,"=",a * i)
```

Q9. Rewrite the following code in python after removing all syntax error(s). Underline each correction done in the code.

```
a=”1”
while a>=10:
        print("Value of  a=",a)
        a=+1
```

Q10. Rewrite the following code in python after removing all syntax error(s). Underline each correction done in the code.

```
Num=int(rawinput("Number:"))
sum=0
for i in range(10,Num,3)
Sum+=1
if i%2=0:
     print(i*2)
  Else:
print(i*3 print Sum)
```

Q11. Rewrite the following code in python after removing all syntax error(s). Underline each correction done in the code.

```
weather='raining'
if weather='sunny':
        print("wear sunblock")
elif weather='snow':
        print("going skiing")
else:
        print(weather)
```

Q12. Write the modules that will be required to be imported to execute the following code in Python.

```
def main( ):
for i in range (len(string)) ):
if string [i] = = '' "
        print
else:
        c=string[i].upper()
print( "string is:",c)
print ("String length=",len(math.floor()))
```

Q13. Observe the following Python code very carefully and rewrite it after removing all syntactical errors with each correction underlined.

```
DEF execmain():
x = input("Enter a number:")
if (abs(x)=x):
   print ("You entered a positive number")
else:
x=*-1
  print "Number made positive:"x
execmain()
```

Q14. Rewrite the following code in python after removing all syntax error(s).Underline each correction done in the code

```
x=integer(input('Enter 1 or 10'))
if x==1:
for x in range(1,11)
        Print(x)
Else:
        for x in range(10,0,-1):
                print(x)
```

Q15. Rewrite the following code in python after removing all syntax error(s). Underline each correction done in the code.

```
30=To
for K in range(0,To)
        IF k%4==0:
                print (K*4)
        else
                print (K+3)
```

OUTPUT FINDING QUESTIONS

Q1. Find output generated by the following code:

```
p=10
q=20
p*=q//3
q+=p=q**2
print(p, q)
```

Q2. Find output generated by the following code:

```
String Str=”Computer”
Str[-4:]
Str*2
```

Q3. Find out the output of the Following –

```
x=20
x=x+5
x=x-10
print (x)
x, y=x-1,50
print (x, y)
```

Q4. Find out the output of the Following –

```
for a in range(3,10,3):
        for b in range(1,a,2):
                print(b, end=’ ‘)
        print( )
```

Q5. FIND OUTPUT OF FOLLOWING

```
x=10
y=5
for i in range(x-y*2):
   print("%",i)
```

Q6. Find output generated by the following code:

```
x="one"
y="two"
c=0
while c<len(x):
   print(x[c],y[c])
   c=c+1
```

Q7. Find output generated by the following code:

```
for i in range(-1,7,2):
for  j in range(3):
      print(i,j)
```

Q8. Find output generated by the following code:

```
string=”aabbcc”
count=3
while True:
   if string[0]=='a':
      string=string[2:]
   elif string[-1]=='b':
      string=string[:2]
   else:
      count+=1
      break
print(string)
print(count)
```

Q9. Find output generated by the following code:

```
x="hello world"
print(x[:2],x[:-2],x[-2:])
print(x[6],x[2:4])
print(x[2:-3],x[-4:-2])
```

Q10. Find and write the output of the following python code :

```
Msg1="WeLcOME"
Msg2="GUeSTs"
Msg3=""
for I in range(0,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=Msg3+"*"
print Msg3
```

Q11. Find and write the output of the following python code :

```
def Changer(P,Q=10):
        P=P/Q
        Q=P%Q
        print P,"#",Q
        return P
A=200
B=20
A=Changer(A,B)
print A,"$",B
B=Changer(B)
print A,"$",B
A=Changer(A)
print A,"$",B
```

Q12. Find and write the output of the following python code:

```
Data = ["P",20,"R",10,"S",30]
Times = 0
Alpha = ""
Add = 0
for C in range(1,6,2):
        Times= Times + C
        Alpha= Alpha + Data[C-1]+"$"
        Add = Add + Data[C]
print Times,Add,Alpha
```

Q13. Find and write the output of the following python code:

```
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=I+1
print Text2
```

Q14. Find and write the output of the following python code:

```
TXT = ["20","50","30","40"]
CNT = 3
TOTAL = 0
for C in [7,5,4,6]:
    T = TXT[CNT]
    TOTAL = float (T) + C
    print TOTAL
    CNT-=1
```

Q15. Find output generated by the following code:

```
line = "I'll come by then."
eline = ""
for i in line:
   eline += chr(ord(i)+3)
print(eline)
```

Q16. Find output generated by the following code:

```
line =  "What will have so will"
L = line.split('a')
for i in L:
   print(i, end=' ')
```

Q17. Find output generated by the following code:

```
p=5/2
q=p*4
r=p+q
p+=p+q+r
q-=p+q*r
print(p,q,r)
```

Q18. Find output generated by the following code:

```
a=(2 + 3) ** 3 – 6 / 2
 b=(2 + 3) * 5// 4 + (4 + 6) / 2
 c=12 + ( 3 * 4 – 6 ) / 3
d=12 % 5 * 3 + (2 * 6) // 4
print(a, b, c, d)
```

Q19. Find the output of the following:

```
def main( ) :
    Moves=[11, 22, 33, 44]
    Queen=Moves
Moves[2]+=22
L=Len(Moves)
for i in range (L)
          print “Now@”, Queen[L-i-1], “#”, Moves [i]
```

Q20. Find the output of the following

```
L1 = [100,900,300,400,500]
START = 1
SUM = 0
for C in range(START,4):
      SUM = SUM + L1[C]
print(C, ":", SUM)
      SUM = SUM + L1[0]*10
print(SUM)
```

Q21. Find and write the output of the following python code:

```
def fun(s):
k=len(s) m=" "
for i in range(0,k): if(s[i].isupper()):
        m=m+s[i].lower()
elif s[i].isalpha():
        m=m+s[i].upper()
else:
        m=m+'bb' print(m)
fun('school2@com')
```

Q22. Find the output of the give program :

```
def Change(P ,Q=30):
        P=P+Q
        Q=P-Q
        print( P,"#",Q)
        return (P)
R=150
S=100
R=Change(R,S)
print(R,"#",S)
S=Change(S)
```

Q23. Find the output of the give program :

```
x = "abcdef"
i = "a"
while i in x:
        print(i, end = " ")
```

QUESTIONS BASED ON TUPLE

Q1: Find the output of following codes

1.
```
t1=("sun","mon","tue","wed")
```
   a. `print(t1[-1])`

2.
```
t2=("sun","mon","tue","wed","thru","fri")
for i in range (-6,2):
        print(t2[i])
```

3.
```
t3=("sun","mon","tue","wed","thru","fri")
if "sun" in t3:
    for i in range (0,3):
        print(t2[i])
else:
    for i in range (3,6):
        print(t2[i])
```

4.
```
t4=("sun", "mon", "tue", "wed", "thru", "fri")
if "sun" not in t4:
    for i in range (0,3):
        print(t4[i])
else:
    for i in range (3,6):
        print(t4[i])
```

5. t5=("sun",2,"tue",4,"thru",5)
```
if "sun" not in t4:
    for i in range (0,3):
        print(t5[i])
else:
    for i in range (3,6):
        print(t5[i])
```

6. t6=('a','b')
   t7=('p','q')
   t8=t6+t7
   print(t8*2)

7. t9=('a','b')
   t10=('p','q')
   t11=t9+t10
   print(len(t11*2))

8. t12=('a','e','i','o','u')
   p, q, r, s, t=t12
   print("p= ",p)
   print("s= ",s)
   print("s + p", s + p)

9. t13=(10,20,30,40,50,60,70,80)
   t14=(90,100,110,120)
   t15=t13+t14
   print(t15[0:12:3])

Q2. Find the errors

1. t1=(10,20,30,40,50,60,70,80)
   t2=(90,100,110,120)
   t3=t1*t2
   Print(t5[0:12:3])

2. t1=(10,20,30,40,50,60,70,80)
   i=t1.len()
   Print(T1,i)

3. t1=(10,20,30,40,50,60,70,80)
   t1[5]=55
   t1.append(90)
   print(t1,i)

4. t1=(10,20,30,40,50,60,70,80)
   t2=t1*2
   t3=t2+4
   print t2,t3

5. t1=(10,20,30,40,50,60,70,80)
   str=””
   str=index(t1(40))
   print(“index of tuple is ”, str)
   str=t1.max()
   print(“max item is “, str)

LIST BASED QUESTION

Q1. Give the output of the following code:-

```
list=['p','r','o','b','l','e','m']
list[1:3]=[]
print(list)
list[2:5]=[]
print(list)
```

Q2. Give the output of the following code:-

```
l1=[13,18,11,16,13,18,13]
print(l1.index(18))
print(l1.count(18))
l1.append(l1.count(13))
print(l1)
```

Q3. Find the error in following code. State the reason of the error.

```
aLst = { ‘a’:1 ,’ b’:2, ‘c’:3 }
print (aLst[‘a’,’b’])
```

Q4. Find the error in following code. State the reason of the error.

```
list1 =[1998, 2002, 1997, 2000]
list2 =[2014, 2016, 1996, 2009]
print"list1 + list 2 = : ", list1 +list2   #statement 1
print"list1 * 2 = : ", list1 *2            #statement 2
```

Q5. What is the output of the following:

```
list1 = [1, 2, 3, 4, 5]
list2 =list1
list2[0] =0;
print("list1= : ", list1)
```

Q6. What is the output of the following:

```
data =[2, 3, 9]
temp =[[x forx in[data]] forx inrange(3)]
print(temp)
```

a) [[[2, 3, 9]], [[2, 3, 9]], [[2, 3, 9]]]
b) [[2, 3, 9], [2, 3, 9], [2, 3, 9]]
c) [[[2, 3, 9]], [[2, 3, 9]]]
d) None of these

Q7. What is the output of the following:

```
Temp =[‘Geeks’, ‘for’, ‘Geeks’]
arr =[i[0].upper() fori intemp]
print(arr)
```

a) [‘G’, ‘F’, ‘G’]
b) [‘GEEKS’]
c) [‘GEEKS’, ‘FOR’, ‘GEEKS’]
d) Compilation error

Q8. What will be the output?

1. d1 ={"john":40, "peter":45}
2. d2 ={"john":466, "peter":45}
3. d1 > d2

a) TRUE
b) FALSE
c) ERROR
d) NONE

Q9. What will be the error of the following code Snippet?

```
Lst =[1,2,3,4,5,6,7,8,9]
Lst[::2]=10,20,30,40,50,60
Print[Lst]
```

Q10. Find the error in following code. State the reason of the error

```
aLst={'a':1,'b':2,'c':3}
print(aLst['a','b'])
```

Q11. What Will Be The Output Of The Following Code Snippet?

```
a =[1,2,3,4,5]
print(a[3:0:-1])
```

A. Syntax error
B. [4, 3, 2]
C. [4, 3]
D. [4, 3, 2, 1]

Q12. What Will Be The Output Of The Following Code Snippet?

```
fruit_list1 = ['Apple', 'Berry', 'Cherry', 'Papaya']
fruit_list2 = fruit_list1
fruit_list3 = fruit_list1[:]
fruit_list2[0] = 'Guava'
fruit_list3[1] = 'Kiwi'
sum = 0
for ls in (fruit_list1, fruit_list2, fruit_list3):
   if ls[0] == 'Guava':
      sum += 1
   if ls[1] == 'Kiwi':
      sum += 20
print (sum)
```

A. 22
B. 21
C. 0
D. 43

Q13. What Will Be The Output Of The Following Code Snippet?

```
a = {(1,2):1,(2,3):2}
print(a[1,2])
```

A. Key Error
B. 1
C. {(2,3):2}
D. {(1,2):1}

Q14. What Will Be The Output Of The Following Code Snippet?

```
my_dict = {}
my_dict[1] = 1
my_dict['1'] = 2
my_dict[1.0] = 4
sum = 0
for k in my_dict:
   sum += my_dict[k]
print (sum)
```

A. 7
B. Syntax error
C. 3
D. 6

Q15. What Will Be The Output Of The Following Code Snippet?

```
my_dict = {}
my_dict[(1,2,4)] = 8
my_dict[(4,2,1)] = 10
my_dict[(1,2)] = 12
sum = 0
for k in my_dict:
   sum += my_dict[k]
print (sum)
print(my_dict)
```

A. Syntax error
B. 30
{(1, 2): 12, (4, 2, 1): 10, (1, 2, 4): 8}
C. 47
{(1, 2): 12, (4, 2, 1): 10, (1, 2, 4): 8}
D. 30
{[1, 2]: 12, [4, 2, 1]: 10, [1, 2, 4]: 8}