

Questions - WORKSHEET – FUNCTIONS

1	Function name must be followed by _____
Ans	
2	_____ keyword is used to define a function
Ans	
3	Function will perform its action only when it is _____
Ans	
4	Write statement to call the function. <pre>def Add(): X = 10 + 20 print(X) _____ #statement to call the above function</pre>
Ans	
5	Write statement to call the function. <pre>def Add(X,Y): Z = X+Y print(Z) _____ #statement to call the above function</pre>
Ans	
6	Write statement to call the function. <pre>def Add(X,Y): Z = X+Y return Z _____ #statement to call the above function print("Total =",C)</pre>
Ans	
7	Which Line Number Code will never execute? <pre>def Check(num): #Line 1 if num%2==0: #Line 2 print("Hello") #Line 3 return True #Line 4 print("Bye") #Line 5 else: #Line 6 return False #Line 7 C = Check(20) print(C)</pre>
Ans	
8	What will be the output of following code? <pre>def Cube(n): print(n*n*n) Cube(n) # n is 10 here print(Cube(n))</pre>
Ans	

9	What are the different types of actual arguments in function? Give example of any one of them.
Ans	
10	What will be the output of following code: <pre>def Alter(x, y = 10, z=20): sum=x+y+z print(sum) Alter(10,20,30) Alter(20,30) Alter(100)</pre>
Ans	
11	<p>Ravi a python programmer is working on a project, for some requirement, he has to define a function with name CalculateInterest(), he defined it as:</p> <pre>def CalculateInterest(Principal,Rate=.06,Time): # code</pre> <p>But this code is not working, Can you help Ravi to identify the error in the above function and what is the solution.</p>
Ans	
12	Call the given function using KEYWORD ARGUMENT with values 100 and 200 <pre>def Swap(num1,num2): num1,num2=num2,num1 print(num1,num2)</pre> <p>Swap(_____,_____)</p>
Ans	

13	<p>Which line number of code(s) will not work and why?</p> <pre>def Interest(P,R,T=7): I = (P*R*T)/100 print(I)</pre> <p>Interest(20000,.08,15) #Line 1 Interest(T=10,20000,.075) #Line 2 Interest(50000,.07) #Line 3 Interest(P=10000,R=.06,Time=8) #Line 4 Interest(80000,T=10) #Line 5</p>
Ans	
14	<p>What will be the output of following code?</p> <pre>def Calculate(A,B,C): return A*2, B*2, C*2</pre> <p>val = Calculate(10,12,14) print(type(val)) print(val)</p>
Ans	
15	<p>What is Local Variable and Global Variables? Illustrate with example</p>
Ans	
16	<p>What will be the output of following code?</p> <pre>def check(): num=50 print(num)</pre> <p>num=100 print(num) check() print(num)</p>
Ans	

17	What will be the output of following code? <pre>def check(): global num num=1000 print(num) num=100 print(num) check() print(num)</pre>
Ans	
18	What will be the output of following code? <pre>print("Welcome!") print("Iam ",__name__) #__is double underscore</pre>
Ans	
19	Function can alter only Mutable data types? (True/False)
Ans	
20	A Function can call another function or itself? (True/False)
Ans	
21	What will be the output of following code? <pre>def display(s): l = len(s) m="" for i in range(0,l): if s[i].isupper(): m=m+s[i].lower() elif s[i].isalpha(): m=m+s[i].upper() elif s[i].isdigit(): m=m+"\$" else: m=m+"*" print(m) display("EXAM20@cbse.com")</pre>
Ans	
22	What will be the output of following code? <pre>def Alter(M,N=50): M = M + N N = M - N print(M,"@",N) return M</pre>

	<pre> A=200 B=100 A = Alter(A,B) print(A,"#",B) B = Alter(B) print(A,"@",B) </pre>
Ans	
23	<p>What will be the output of following code?</p> <pre> def Total(Number=10): Sum=0 for C in range(1,Number+1): if C%2==0: continue Sum+=C return Sum print(Total(4)) print(Total(7)) print(Total()) </pre>
Ans	
24	<p>What will be the output of following code?</p> <pre> X = 100 def Change(P=10, Q=25): global X if P%6==0: X+=100 else: X+=50 Sum=P+Q+X print(P,'#',Q,'\$',Sum) Change() Change(18,50) Change(30,100) </pre>
Ans	
25	<p>What will be the output of following code?</p> <pre> a=100 def show(): global a a=200 </pre>

	<pre>def invoke(): global a a=500 show() invoke() print(a)</pre>
Ans	
26	<p>What will be the output of following code?</p> <pre>def drawline(char='\$',time=5): print(char*time) drawline() drawline('@',10) drawline(65) drawline(chr(65))</pre>
Ans	
27	<p>What will be the output of following code?</p> <pre>def Updater(A,B=5): A = A // B B = A % B print(A,'\$',B) return A + B A=100 B=30 A = Updater(A,B) print(A,'#',B) B = Updater(B) print(A,'#',B) A = Updater(A) print(A,'\$',B)</pre>
Ans	
28	<p>What will be the output of following code?</p> <pre>def Fun1(num1): num1*=2 num1 = Fun2(num1) return num1</pre>

	<pre>def Fun2(num1): num1 = num1 // 2 return num1 n = 120 n = Fun1(n) print(n)</pre>
Ans	
29	<p>What will be the output of following code?</p> <pre>X = 50 def Alpha(num1): global X num1 += X X += 20 num1 = Beta(num1) return num1 def Beta(num1): global X num1 += X X += 10 num1 = Gamma(num1) return num1 def Gamma(num1): X = 200 num1 += X return num1 num = 100 num = Alpha(num) print(num,X)</pre>
Ans	
30	<p>What will be the output of following code?</p> <pre>def Fun1(mylist): for i in range(len(mylist)): if mylist[i]%2==0: mylist[i]/=2 else: mylist[i]*=2 list1 =[21,20,6,7,9,18,100,50,13] Fun1(list1) print(list1)</pre>
Ans	

For any explanation/query write to me at: vinodexclusively@gmail.com