Class: XII Comp. Sci.	Department: Computer Science	Check the output questions on python IDLE.
Worksheet No: 2	Topic: **Functions**	Note: To be solved in the notebook

1	Function name must be followed by _____
2	_____ keyword is used to define a function
3	Function will perform its action only when it is _____

4	Write statement to call the function.
	def Add():
	    X = 10 + 20
	    print(X)
	    _____ #statement to call the above function

5	Write statement to call the function.
	def Add(X,Y):
	    Z = X+Y
	    print(Z)
	    _____ #statement to call the above function

6	Write statement to call the function.
	
	def Add(X,Y):
	    Z = X+Y
	    return Z
	    _____#statement to call the above function
	print("Total =",C)

7	Which Line Number Code will never execute?
	
	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)

8	What will be the output of following code?
| | ```
def Cube(n):
        print(n*n*n)

Cube(n)                    # n is 10 here
print(Cube(n))
``` |
| 9 | What will be the output?<br>```
def add(i):
     if(i*3%2==0):
        i*=i
     else:
        i*=4
     return i
a=add(10)
print(a)
``` |
| 10 | What will be the output?<br><br>```
def fun1(x, y):
     x = x + y
     y = x − y
     x = x − y
     print('a=',x)
     print('b=',y)
a = 5
b = 3
fun1(a,b)
``` |
| 11 | What will be the output?<br><br>```
def div5(n):
     if n%5==0:
        return n*5
     else:
        return n+5
  def output(m=5):
     for i in range(0,m):
        print(div5(i),'@',end=" ")
     print('\n')
output(7)
output()
output(3)
``` |
| 12 | What will be the output?<br><br>```
def func(b):
     global x
     print('Global x=', x)
     y = x + b
     x = 7
     z = x − b
``` |

| | ```
        print('Local x = ',x)
        print('y = ',y)
        print('z = ',z)
x=5
func(10)
``` |
| 13. | What will be the output?<br><br>```
def func(x,y=100):
        temp = x + y
        x += temp
        if(y!=200):
            print(temp,x,x)
a=20
b=10
func(b)
print(a,b)
func(a,b)
print(a,b)
``` |
14.	Write a function EVENLIST(L), where L is the list of elements passed as argument to the function. The function returns another list named "ELIST' that contains all even position elements ending with 7 from the list L . For example: If L contains [2,17,27,9,7,10,17,37] The ELIST will have [27, 7, 17]
15	Write a function, Words(S), that takes a string as an argument and returns a list containing words of the string that has vowels.
16	Write the definition of a function Reverse (x) in Python, to display the elements in reverse order such that each displayed element is the twice of the original element (element *2) of the List x in the following manner: Example : If List x contains 7 integers is as follows: 4 8 7 5 6 2 10 After executing the function, the array content should be displayed as follows: 20 4 12 10 14 16 8
17	Write a user-defined function find-name (name), where name is an argument in Python to delete phone number from a dictionary phone-book on the basis of the name, where name is the key.