



# INDIAN SCHOOL AL WADI AL KABIR

<b>Class: XII Comp. Sci.</b>	<b>Department: Computer Science</b>	
<b>Worksheet No: 2</b>	<b>Topic: Functions</b>	<b>Note:</b>

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. <pre>def Add():     X = 10 + 20     print(X) _____ #statement to call the above function</pre>
5	Write statement to call the function. <pre>def Add(X,Y):     Z = X+Y     print(Z) _____ #statement to call the above function</pre>
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>
7	Which Line Number Code will never execute? <pre>def Check(num):     num%2==0: #Line 1 if         print("Hello") #Line 2         return True #Line 3         print("Bye") #Line 4     else: #Line 5         return False #Line 6 C=Check(20) #Line 7 print(C)</pre>

8	<p>What will be the output of following code?</p> <pre>def Cube(n):     print(n*n*n)  Cube(n)          # n is 10 here print(Cube(n))</pre>
9	<p>What will be the output?</p> <pre>def add(i):     if(i*3%2==0):         i*=i     else:         i*=4     return i a=add(10) print(a)</pre>
10	<p>What will be the output?</p> <pre>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)</pre>
11	<p>What will be the output?</p> <pre>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)</pre>
12	<p>What will be the output?</p> <pre>def func(b):     global x     print('Global x=', x)</pre>

	<pre> y = x + b x = 7 z = x - b print('Local x = ',x) print('y = ',y) print('z = ',z) x=5 func(10) </pre>
13.	<p>What will be the output?</p> <pre> 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) </pre>
14.	<p>Write a menu-driven python program using different functions for the following menu:</p> <ol style="list-style-type: none"> <li>1 Check no. is Palindrome or not</li> <li>2 Check no. is Armstrong or not</li> <li>3 Exit</li> </ol>
15	<p>Write a python program using the function to print prime numbers between 11 to 200.</p>
16	<p>Write a python program to return factorial series up to n numbers using the function.</p>
17	<p>Write a python program using the function to print the Fibonacci series up to n numbers.</p>