CS Academy

Kovaipudur, Coimbatore – 42.

Worksheet –Functions
COMPUTER SCIENCE

Std / Sec: XII __

1.
```
def cal():
    i = 9
    while i> 1:
        if i%2==0:
            x = i%2
            i = i-1
        else:
            i = i-2
            x = i
        print (x**2)
cal( )
```

2.
```
def sum(a,b):
        print("sum is ",a+b)
x=5
y=10
sum(x,y)
sum(20,40)
```

3.
```
def check(a):
   for i in range(len(a)):
      a[i]=a[i]+5
   return a
b=[1,2,3,4]
c=check(b)
print(c)
```

4.
```
def calc(u):
    if u%2==0:
        return u+10;
    else:
        return u+2;
def pattern(M,B=2):
    for CNT in range(0,B):
        print(calc(CNT),M,end="");
    print()
pattern("*")
pattern("#",4)
pattern("@",3)
```

LIVEWORKSHEETS

5.
```
def Convert(X=45,Y=30):
        X=X+Y
        Y=X-Y
        print (X,"&",Y)
        return X
A=250
B=150
A=Convert(A,B)
print (A,"&",B)
B=Convert(B)
print (A,"&",B)
A=Convert(A)
print (A,"&",B)
```

6.
```
def Revert(Num,Last=2):
    if Last%2==0:
        Last=Last+1
    else:
        Last=Last-1
    for C in range(1,Last+1):
        Num+=C
    print(Num)
A,B=20,4
Revert(A,B)
B=B-1
Revert(B)
```

LIVEWORKSHEETS