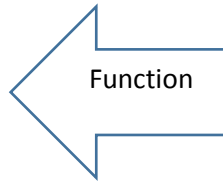


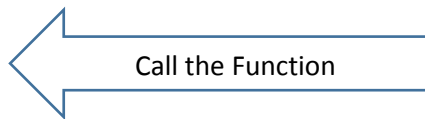
Python - Functions

1. Write a function to display a message

```
def wish():  
    print ('Hello, have a nice day')  
    print ('welcome python functions')
```



```
print('* * * * *')  
wish();  
print('* * * * *')  
wish()
```



2. Write a function to add three numbers

```
def add(x,y,z):  
    print('Sum ', x+y+z)  
  
n1=int(input('First Number ='))  
n2=int(input('First Number ='))  
n3=int(input('First Number ='))  
  
add(n1,n2,n3)  
print('* * * * *')  
add(23,21,34)
```

Output
First Number =2
First Number =3
First Number =1
Sum 6
* * * * *
Sum 78

Exercise

Write functions to subtract, multiply and divide two numbers.

3. Write a function to display even numbers when starting and ending numbers are given.

```
def even(st,end):
```

```
    p=st
```

```
    while p<=end:
```

```
        print (p)
```

```
        p=p+2
```

```
s=int(input('enter starting number'))
```

```
e=int(input('enter ending number'))
```

```
if s%2==1:
```

```
    s=s+1
```

```
even(s,e)
```

Output
enter starting number3
enter ending number10
4
6
8
10

Built-in functions

function	Example
Absolute function	>>> abs(-5) Answer =5
Round Function	>>> round(2.1635) Answer =2 >>> round(2.1635,1) Answer =2.2
Square root function	>>> import math >>> math.sqrt(49) 7.0
Character of an ASCII number	>>> chr(65) 'A'
Integer Ordinal of Char	>>> ord('A') 65
Returns integer valuer of a number	X=34.453 >>>int(x) same way >>>float(x)
View the python help	>>>help(print)
Returns Length of the text	Name='Nayana' >>>len(Name)
Returns maximum value	>>>max(45,32,56,456)
Returns minimum value	>>>min(5, 45, 43,3,90)

Recursive Functions

Write a Python function to calculate the factorial of a number (a non-negative integer). The function accepts the number as an argument.

Sample Solution: -

Python Code:

```
def factorial(n):  
    if n == 0:  
        return 1  
    else:  
        return n * factorial(n-1)  
n=int(input("Input a number to compute the factiorial : "))  
print(factorial(n))
```