



If we are not passing any name then only default value will be considered.

**\*\*\*Note:**

After default arguments we should not take non default arguments

```
def wish(name="Guest",msg="Good Morning"): ==>Valid
def wish(name,msg="Good Morning"): ==>Valid
def wish(name="Guest",msg): ==>Invalid
```

SyntaxError: non-default argument follows default argument

#### 4. Variable length arguments:

Sometimes we can pass variable number of arguments to our function,such type of arguments are called variable length arguments.

We can declare a variable length argument with \* symbol as follows

```
def f1(*n):
```

We can call this function by passing any number of arguments including zero number. Internally all these values represented in the form of tuple.

Eg:

```
1) def sum(*n):
2)     total=0
3)     for n1 in n:
4)         total=total+n1
5)     print("The Sum=",total)
6)
7) sum()
8) sum(10)
9) sum(10,20)
10) sum(10,20,30,40)
11)
12) Output
13) The Sum= 0
14) The Sum= 10
15) The Sum= 30
16) The Sum= 100
```

**Note:**

We can mix variable length arguments with positional arguments.