```
Function Arguments:
def greet(name, msg):
    This function greets to a person with provided message
    print("hello {0} {1}".format(name, msg))
# call function with arguments
h ="Harsh raj singh"
g = "Good morning"
greet(h,g)
hello Harsh raj singh Good morning
# suppose if we pass one agrument
greet("harsh raj singh") # will get an error
TypeError
                                          Traceback (most recent call
last)
<ipython-input-2-950026f14de7> in <module>
      1 # suppose if we pass one agrument
----> 2 greet("harsh raj singh") # will get an error
TypeError: greet() missing 1 required positional argument: 'msg'
Different Forms of Arguments
1. Default Argument:
```

```
We can provide default value to an argument by using the assignment operator "=".
def greet(name, msg = "Good morning"):
```

```
This function greets to a person with provided message
    if massage is not provided, it defaults to Good marning
    print("hello {0} {1}".format(name, msg))
# call function with arguments
greet("Mr.harsh Raj", "Good Night")
hello Mr.harsh Raj Good Night
```

## 2. Keyword Arguments:

# with out msg argument

kwargs allow to you to pass keyworded variable lenght of arguments to function. You should use \*\*kwargs if you want to handle named arguments in a function.

```
Example:
def greet(**kwargs):
    This function greets to person with provided message
    if kwargs:
        print("Hello {0} {1}".format(kwargs['name'],kwargs['msg1']))
greet(name='Mr. sharma',msg1 = 'Good Morning', msg2 = "Nice to meet you" )
Hello Mr. sharma Good Morning
```

## 3. Arbitary Arguments:

Sometime, we do not know in advance the number of arguments that will be passed into a function. Python allow us to handle this kind of situation through function calls with arbitary number of arguments.

```
def greet(*names):
    This function greets all person in the name tuple
    print(names)
    for name in names:
        print("Hello, {0}".format(name))

greet('satish','Harsh','Raj','Shivam','Prasant','Dk', 'ashish') #
this is arbitary lenght of varibles and pass to function as tuple

('satish', 'Harsh', 'Raj', 'Shivam', 'Prasant', 'Dk', 'ashish')
Hello, satish
Hello, Raj
Hello, Raj
Hello, Shivam
Hello, Prasant
Hello, Dk
Hello, ashish
```