FUNCTION ARGUMENTS

- The argument is a value that is passed to the function when it's called.
- Parameters are useful to receive values from outside of the function. They are called 'formal parameters'.
- When we call the function, we should pass data or values to the function. These values are called **'actual arguments'**.

Example:

- The actual arguments used in a function call are of four types:
- 1. Positional Arguments
- 2. Keyword Arguments
- 3. Default Arguments
- 4. Variable Length Arguments

1. Positional Arguments

- Passed to a function in correct positional order.

Example:

```
def match(s1, s2):
    s3=s1+s2
    print ("Total String:"+s3)
match ('Good', 'Morning') #Positional Arguments
```

2. Keyword Arguments

- Arguments that identify the parameters by their names.
- We can change the order of the arguments.
- Keyword arguments must follow positional arguments.

Example:

3. Default Arguments

- Some default value for the function parameters in the definition.
- Assignment operator (=).
- Non-default arguments cannot follow default arguments.

```
Example: Def grocery(item, price=30.0):
```

4. Variable Length Arguments or Python Arbitrary Arguments

- We don't know in advance the number of arguments that will be passed into a function.
- That can accept any number of values.
- In the function definition, we can use asterisk (*) before the parameter name to denote this kind of argument.

```
Def add(fargs, *args)
```

Here, 'fargs' is the formal argument and '*args' represents variable length argument.

Example: