

Python for Selenium

Agenda

- Python *args and **kwargs

What is *args ?

- *args allows us to pass variable number of arguments to the function.

```
def sum(a, b):  
    print("sum is", a+b)
```

- this program only accepts two numbers, what if you want to pass more than two arguments, this is where *args comes into play.
- **Note:** name of **args* is just a convention you can use anything that is a valid identifier. For e.g **myargs* is perfectly valid.

What is **kwargs ?

- **kwargs allows us to pass variable number of keyword argument like this

```
func_name(name='tim', team='school')
```

Using *args in function call

- You can use *args to pass elements in an iterable variable to a function.
- Example:

```
def my_three(a, b, c):  
    print(a, b, c)
```

```
a = [1, 2, 3]  
my_three(*a)    # here list is broken into three elements
```

- Note:
 - This works only when number of argument is same as number of elements in the iterable variable.

Using `**kwargs` in function call

- We can also use `**kwargs` to call a function.
- Example:

```
def my_three(a, b, c):  
    print(a, b, c)
```

```
a = {'a': "one", 'b': "two", 'c': "three"}  
my_three(**a)
```

- **Note:** For this to work 2 things are necessary:
 - Names of arguments in function must match with the name of keys in dictionary.
 - Number of arguments should be same as number of keys in the dictionary.