

```
In [1]: def person(name,*age):
        print(name)
        print(age)
        person('nit',40,50,60,70)
```

```
nit
(40, 50, 60, 70)
```

```
In [3]: def person(name,*age):
        print(type(name))
        print(type(age))
        person('nit',40,50,60,70)
```

```
<class 'str'>
<class 'tuple'>
```

```
In [5]: def sum(a,*b):
        c = a+b
        print(c)
        sum(3,4,5,7)
```

```
-----
TypeError                                Traceback (most recent call last)
Cell In[5], line 4
      2     c = a+b
      3     print(c)
----> 4     sum(3,4,5,7)

Cell In[5], line 2, in sum(a, *b)
      1 def sum(a,*b):
----> 2     c = a+b
      3     print(c)

TypeError: unsupported operand type(s) for +: 'int' and 'tuple'
```

```
In [9]: def sum(a,*b):
        c = a
        for i in b:
            c = c + i
        print(c)
        sum(73,45,67,78,32)
```

```
295
```

```
In [15]: # kwargs (keyword argument+ Length argument)
def person(name, age,add,mob,*data):
    print(name)
    print(data)
    person('ALEX',age=34,add='usa',mob=65757474)
```

```
ALEX
()
```

```
In [17]: # kwargs (keyword argument+ Length argument)
def person(name, **data):
    print('name')
    print(data)
person('ALEX',age=34,add='usa',mob=65757474)
```

```
name
{'age': 34, 'add': 'usa', 'mob': 65757474}
```

```
In [19]: # fuc argument - formal,actual (positinal argument,keyword arg to fix the error of

#kwargs(last args should be define **)
# inside fuc = local varibale d
# outside fuc = gloobal variable

a = 10 # global
def some(): # fuc
    b = 15 # local
    print("in fuc",b)
some()
print("out",a)
```

```
in fuc 15
out 10
```

```
In [21]: class nit:# method
# global
def some():

    b = 15 # local
    print("in fuc",b)
some()
print("out",a)
```

```
in fuc 15
out 10
```

```
In [ ]:
```