

Users > avipatel > non keyword arguments.py > add

```
1
2 def add(*num):
3     sum = 0
4
5     for n in num:
6
7         sum = sum + n
8     print("sum :",sum)
9
10 add(10,20)
11 add(10,20,30)
12
13
```

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> Python - avipatel + ▢ 🗑 ^ ×

```
/usr/local/bin/python3 "/Users/avipatel/non keyword arguments.py"
avipatel@Avis-MBP ~ % /usr/local/bin/python3 "/Users/avipatel/non keyword arguments.py"
sum : 30
sum : 60
avipatel@Avis-MBP ~ %
```

arguments 1.py

Users > avipatel > arguments 1.py > ...

1

def my_func(**arg):

2

for i,j in arg.items():

3

print(i,j)

4

5

6

my_func(name='avi', Lastname='patel')

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> Python - avipatel

/usr/local/bin/python3 "/Users/avipatel/ arguments 1.py"

avipatel@Avis-MBP ~ % /usr/local/bin/python3 "/Users/avipatel/ arguments 1.py"

name avi

Lastname patel

avipatel@Avis-MBP ~ %

Users > avipatel > def show.py > ...

```
def show():
    n1=10
    n2=20
    ans=n1+n2
    print("sum is ans",ans)

show()

def show(n1,n2):
    ans=n1+n2
    return ans

ans=show(10,20)
print("sum is ",ans)

def show():
    n1=10
    n2=20
    ans=n1+n2
    return ans
```

```
1  def show():
2      n1=10
3      n2=20
4      ans=n1+n2
5      print("sum is ans",ans)
6
7      show()
8
9  def show(n1,n2):
10     ans=n1+n2
11     return ans
12
13 ans=show(10,20)
14 print("sum is ",ans)
15
16 def show():
17     n1=10
18     n2=20
19     ans=n1+n2
20     return ans
21
```

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```
/usr/local/bin/python3 "/Users/avipatel/def show.py"
avipatel@Avis-MBP ~ % /usr/local/bin/python3 "/Users/avipatel/def show.py"
sum is  30
sum is <function show at 0x1008d7eb0>
avipatel@Avis-MBP ~ %
```

Users > avipatel > user define function.py > ...


```
1  def my_function():
2      print("hello world !")
3
4  my_function ()
5  my_function ()
6
7
```



Python 3.9.7 Shell

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Python - avipatel + ▼ □ ✕ ^

```
/usr/local/bin/python3 "/Users/avipatel/user define function.py"
avipatel@Avis-MacBook-Pro ~ % /usr/local/bin/python3 "/Users/avipatel/user define function.py"
hello world !
hello world !
avipatel@Avis-MacBook-Pro ~ %
```

 return statement.py

Users > avipatel >  return statement.py >  my_function

1 def my_function(name):

2 |return name

3 name=my_function("avi patel")

4 print(name)

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> Python - avipatel

/usr/local/bin/python3 "/Users/avipatel/return statement.py"

avipatel@Avis-MacBook-Pro ~ % /usr/local/bin/python3 "/Users/avipatel/return statement.py"

avi patel

avipatel@Avis-MacBook-Pro ~ %

Users > avipatel > with argument.py > my_function

```
1 def my_function(name):  
2     print("name is:", name)  
3 my_function("avi patel")  
4
```

Python 3.9.7 Shell

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```
/usr/local/bin/python3 "/Users/avipatel/with argument.py"  
avipatel@Avis-MacBook-Pro ~ % /usr/local/bin/python3 "/Users/avipatel/with argument.py"  
name is: avi patel  
avipatel@Avis-MacBook-Pro ~ %
```

Users > avipatel > multiple return statement.py > my_function

```
1
2 def my_function():
3     name = "avi patel"
4     contact = 9978621654
5     return name,contact
6
7 name,contact = my_function()
8 print("name is:",name)
9 print("contact :",contact)
10
11
```

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```
/usr/local/bin/python3 "/Users/avipatel/multiple return statement.py"
avipatel@Avis-MacBook-Pro ~ % /usr/local/bin/python3 "/Users/avipatel/multiple return statement.py"
name is: avi patel
contact : 9978621654
avipatel@Avis-MacBook-Pro ~ %
```

default arguments.py

Users > avipatel > default arguments.py > ...

1

2

3

4

5

6

7

8

9

def sum(a=5,b=7):

print(a+b)

sum(10,20)

sum()

PROBLEMS

OUTPUT

DEBUG CONSOLE

TERMINAL

JUPYTER

Python - avipatel

/usr/local/bin/python3 "/Users/avipatel/default arguments.py"

avipatel@Avis-MacBook-Pro ~ % /usr/local/bin/python3 "/Users/avipatel/default arguments.py"

30

12

avipatel@Avis-MacBook-Pro ~ %

Users > avipatel > keyword arguments.py > ...

```
1
2 def sum(a,b):
3
4
5     print("sum is :",a+b)
6
7 sum(10,20)
8
9
```

keyword arguments.py

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```
/usr/local/bin/python3 "/Users/avipatel/keyword arguments.py"
avipatel@Avis-MBP ~ % /usr/local/bin/python3 "/Users/avipatel/keyword arguments.py"
sum is : 30
avipatel@Avis-MBP ~ %
```