TheDataLytics

python™

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```
def func_sum(a,b):
  return a+b

func_sum(10,20)
```

```
30
```

```
def func_tmp1(*args):
  return args

func_tmp1(1,2,3,4,5,6,7,8,9,10)
```

```
(1, 2, 3, 4, 5, 6, 7, 8, 9, 10)
```

```
func_tmp1([1,2,3,4,5,6,7,8,9,10],
['a','b','c','d','e','f','g','h','i','j','k','l','m','n'],
['monday','tuesday','wednesday','thursday','friday','saturday','sunday
'],
['jan','feb','mar','apr','may','jun','jul','aug','sep','oct','nov','de
c'],
['mercury','venus','earth','mars','jupiter','saturn','uranus','neptune
','pluto'])
```

```
func_tmp1([1,2,3,4,5,6,7,8,9,10],
('a','b','c','d','e','f','g','h','i','j','k','l','m','n'),
{'monday','tuesday','wednesday','thursday','friday','saturday','sunday
'},
['jan','feb','mar','apr','may','jun','jul','aug','sep','oct','nov','de
c'],
{'mercury','venus','earth','mars','jupiter','saturn','uranus','neptune
','pluto'})
```

```
func_tmp1(1,2,3,4,5,6,7,8,9,[1,2,3,4,5,6,7,8,9,10],
('a','b','c','d','e','f','g','h','i','j','k','l','m','n'),
{'monday','tuesday','wednesday','thursday','friday','saturday','sunday
'},
['jan','feb','mar','apr','may','jun','jul','aug','sep','oct','nov','de
c'],
{'mercury','venus','earth','mars','jupiter','saturn','uranus','neptune
','pluto'})

def func_tmp2(*args,a,b,c):
  return args,a,b,c

func_tmp2(1,2,3,4,5,6,7,8,9,
          [1,2,3,4,5,6,7,8,9,10],
          ('a','b','c','d','e','f','g','h','i','j','k','l','m','n'),

{'monday','tuesday','wednesday','thursday','friday','saturday','sunday
'},

['jan','feb','mar','apr','may','jun','jul','aug','sep','oct','nov','de
c'],

{'mercury','venus','earth','mars','jupiter','saturn','uranus','neptune
','pluto'},
          a=12, b=24, c=36)

def func_tmp3(**kwargs):
  return kwargs

func_tmp3(arg1=10, arg2=20, arg3=30, arg4=40)

{'arg1': 10, 'arg2': 20, 'arg3': 30, 'arg4': 40}

func_tmp3(arg1=[1,2,3],arg2=29,arg3=36)

{'arg1': [1, 2, 3], 'arg2': 29, 'arg3': 36}

def func_tmp4(a, b, c, d, **kwargs):
  return a, b, c, d, kwargs

func_tmp4(a=10, b=20, c=-30, d=-50,
         arg5 = {'Asia':'44,614,000',
                 'Africa':'30,365,000',
                 'North America':'24,230,000',
                 'South America':'17,814,000',
                 'Antarctica':'14,200,000',
                 'Europe':'10,000,000',
                 'Oceania':'8,510,900'})

def func_tmp5(*args,**kwargs):
  return args, kwargs
```

```
func_tmp5(

['jan','feb','mar','apr','may','jun','jul','aug','sep','oct','nov','de
c'],

['mercury','venus','earth','mars','jupiter','saturn','uranus','neptune
','pluto'],
    [1.23,2.34,3.45,4.56,5.67,6.78,7.89,8.90,9.01],
    [91-23j,-82+34j,73-45j,-64+56j,55-67j,-46+78j,37-89j,-28+90j,19-
01j],
    arg5=['a','b','c','d','e','f','g','h','i','j','k','l','m','n'],
    arg6={'Asia':'44,614,000','Africa':'30,365,000','North
America':'24,230,000','South
America':'17,814,000','Antarctica':'14,200,000','Europe':'10,000,000',
'Oceania':'8,510,900'}
)
```