Python

Multiple variables - functions

Passing multiple variables to functions

The variables being passed are enclosed in parentheses () and separated by commas, .

Function(var1,var2,var3)

Example

A = 2

B = 3

Doubleit(A,B)

The function receiving multiple variables

The function receiving the multiple variables must have the same number of variables defined.

The variables are separated by commas inside the parentheses ()

Example

```
def doubleit (a,b):
```
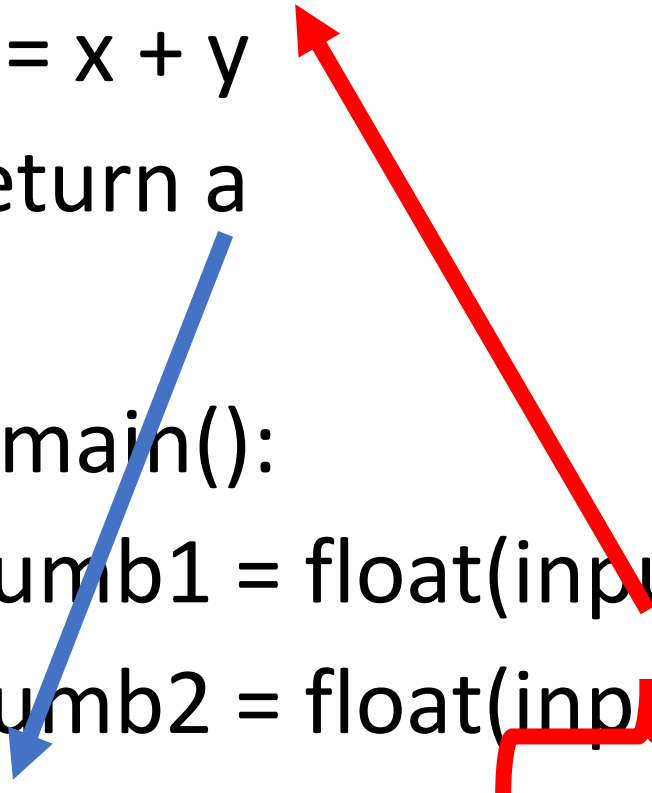
```python
def addit(x,y):
    a = x + y
    return a

def main():
    numb1 = float(input('enter number ->'))
    numb2 = float(input('enter number ->'))
    tot = addit(numb1,numb2)
    print('total is -> ',tot)
main()
```

```
def addit(x,y):
    a = x + y
    return a
def main():
    numb1 = float(input('enter number ->'))
    numb2 = float(input('enter number ->'))
    tot = addit(numb1,numb2)
    print('total is -> ',tot)
main()
```

Return multiple variables from a function

The variables are separated by commas inside the parentheses () after the return command.
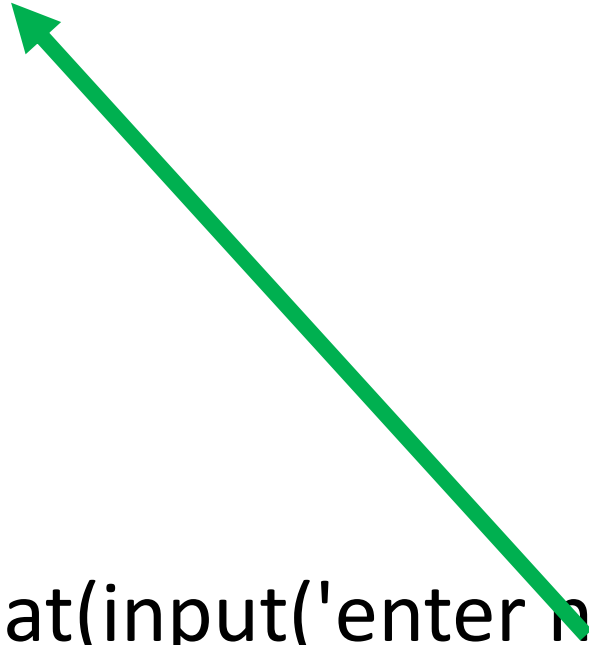
Example

return (a,b)

```python
def addsubt(x,y):
    a = x + y
    b = x - y
    return (a, b)

def main():
    numb1 = float(input('enter number ->'))
    numb2 = float(input('enter number ->'))
    (tot1,tot2) = addsubt(numb1,numb2)
    print('total is -> ',tot1)
    print('diff is -> ',tot2)
main()
```

```python
def addsubt(x,y):
    a = x + y
    b = x - y
    return (a, b)
def main():
    numb1 = float(input('enter number ->'))
    numb2 = float(input('enter number ->'))
    (tot1,tot2) = addsubt(numb1,numb2)
    print('total is -> ',tot1)
    print('diff is -> ',tot2)
main()
```

done