

8.1.13 Returning Multiple Value with Tuples

 Publish Edit

⋮

Returning Multiple Values with Tuples

You learned that a function can only return a single value. It is common practice in Python, however, to use tuples to return multiple values.

Multiple return

Create a function `getPerson()`. As you already know a function can return a single variable, but it can also return multiple variables.

We'll store all of these variables directly from the function call.

```
def getPerson():  
    name = "Leona"  
    age = 35  
    country = "UK"  
    return name,age,country #returns a tuple  
  
name,age,country = getPerson() #This is a tuple assignment  
t  
print(name)  
print(age)  
print(country)
```

```
name, age, country = getPerson()
```

Can also be written as:

```
(name, age, country) = getPerson()
```

The same is true about the tuple in the return statement in `getPerson()`.

To Do:

Define a function that obtains the date from the user for the month, day, and year and returns the three values in a tuple.

Use tuple assignment as shown above to assign the elements of the tuple to the day, month, year variables.

Print each variable to the console as:

```
> day = 30  
  
> month = August  
  
> year = 1994
```

Submit a screenshot showing that you code successfully runs.

Points 5

Submitting a file upload

| Due | For | Available from | Until |
|-----|-----|----------------|-------|
|-----|-----|----------------|-------|

| Due | For | Available from | Until |
|-----|----------|----------------|-------|
| - | Everyone | - | - |

+ [Rubric](#)