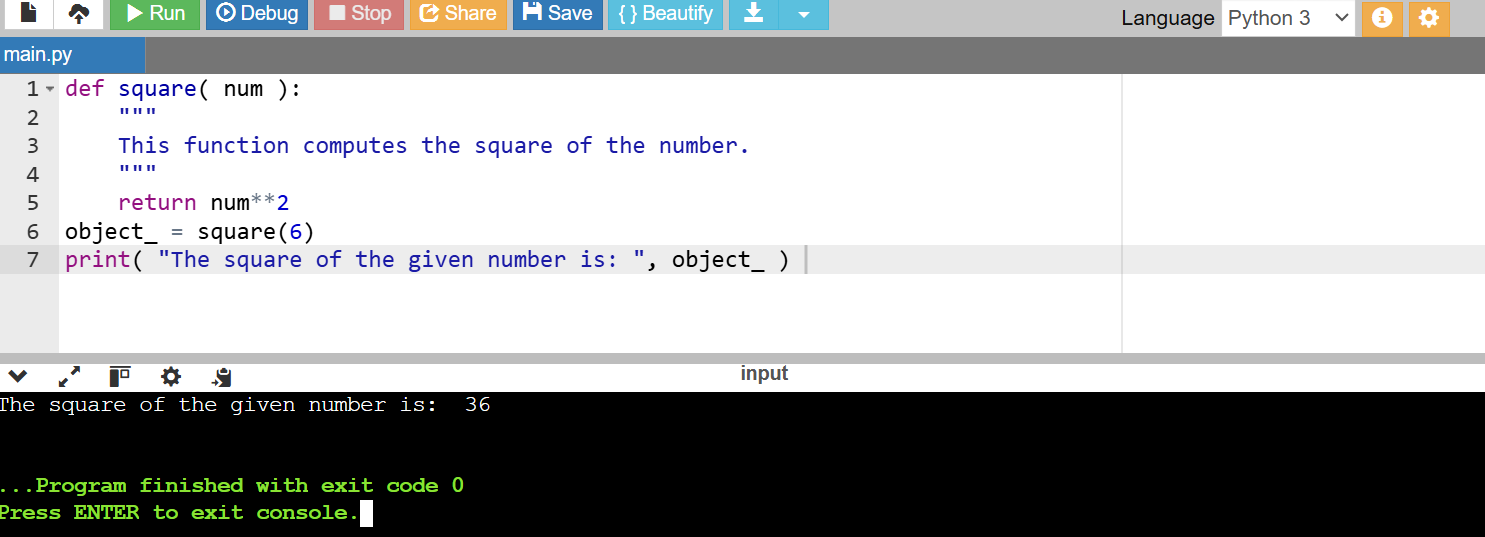
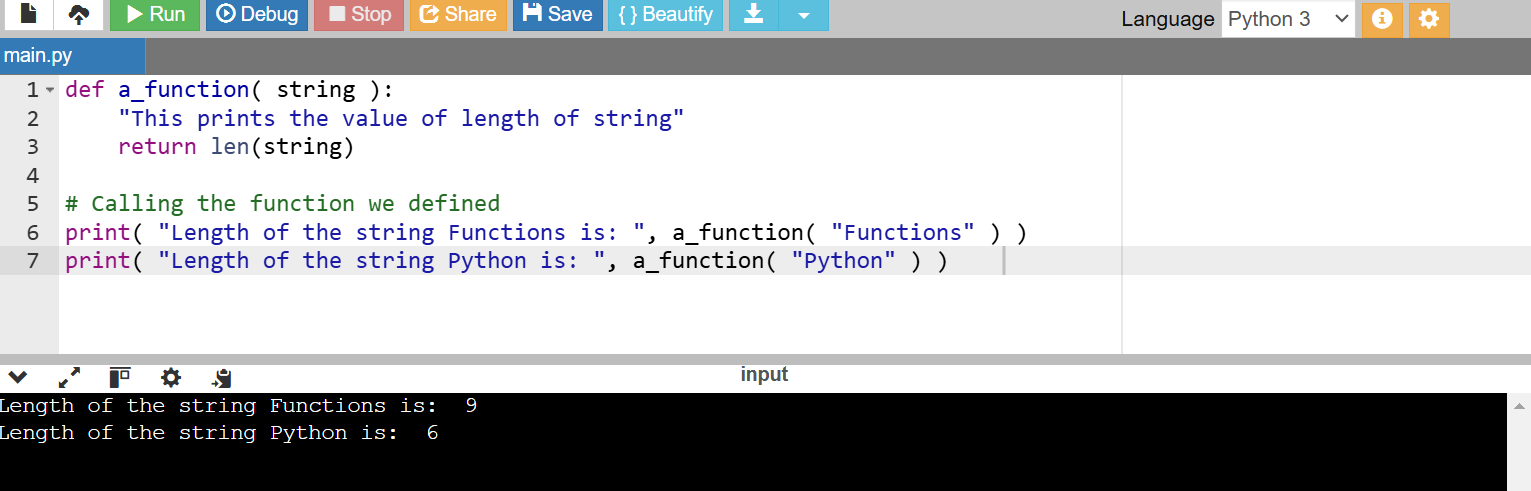
**FUNCTIONS**

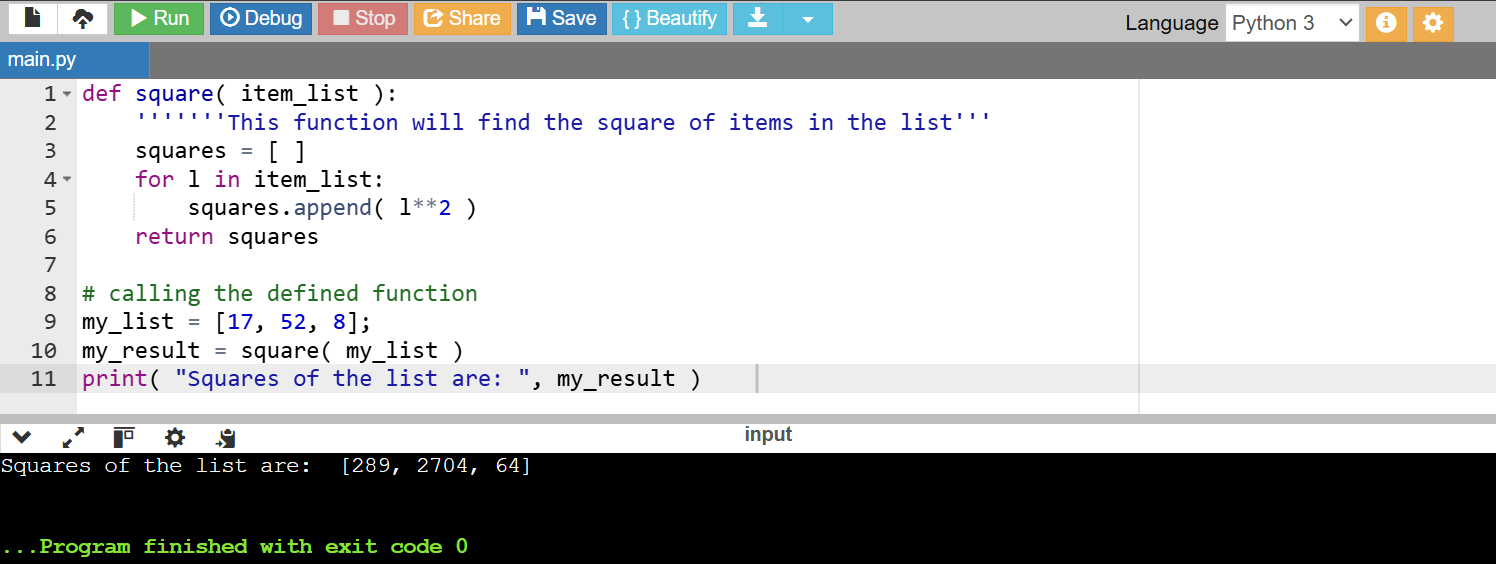
1. User-Defined Function



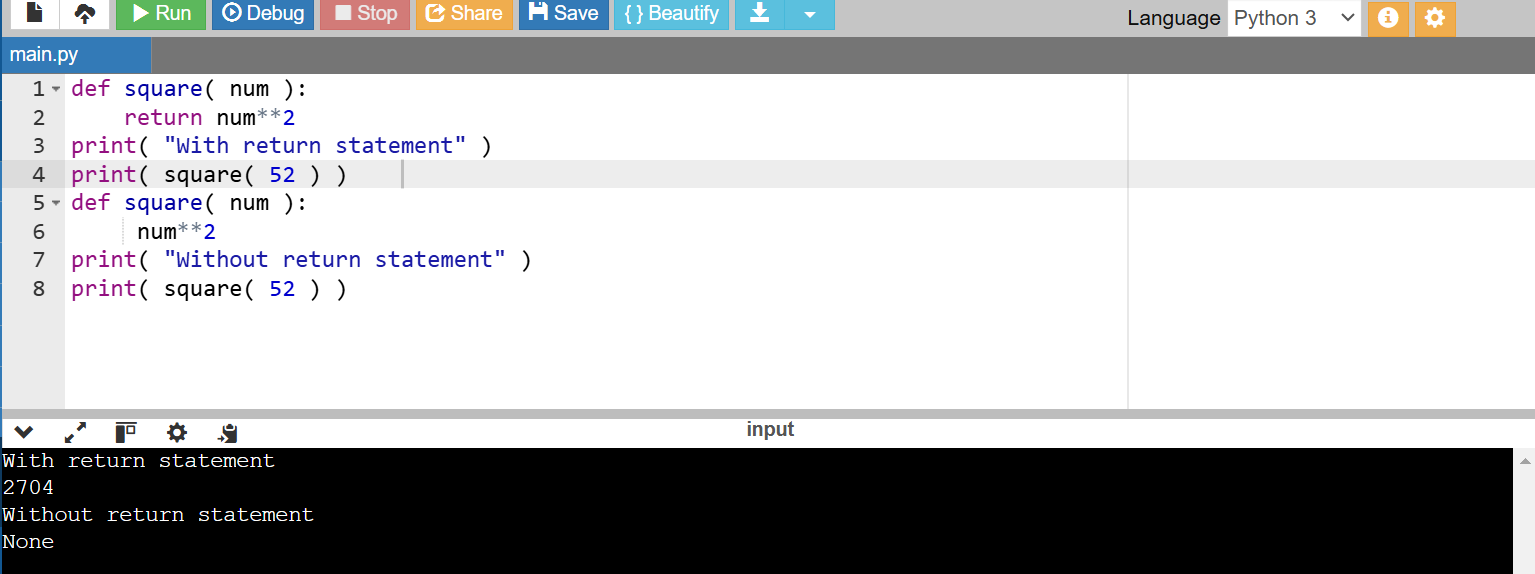
2. Calling a Function



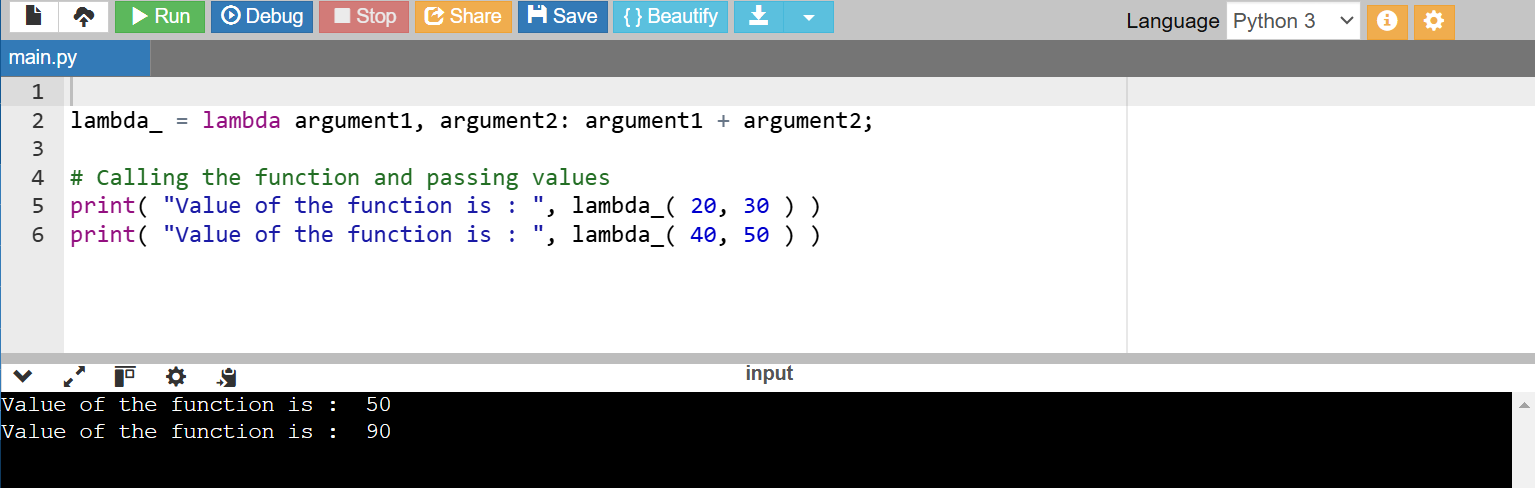
**Pass by Reference vs. Pass by Value**

1. 

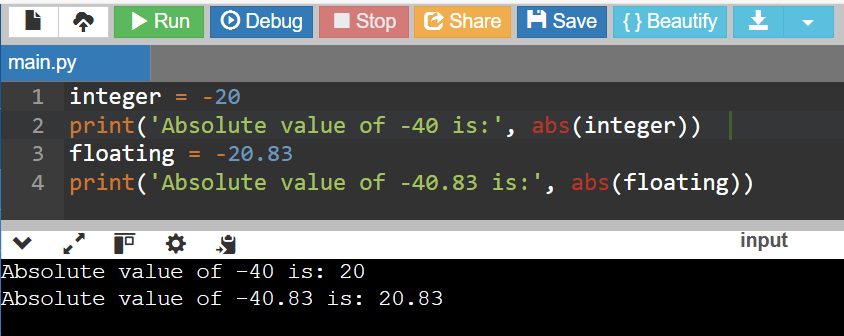
2. return Statement



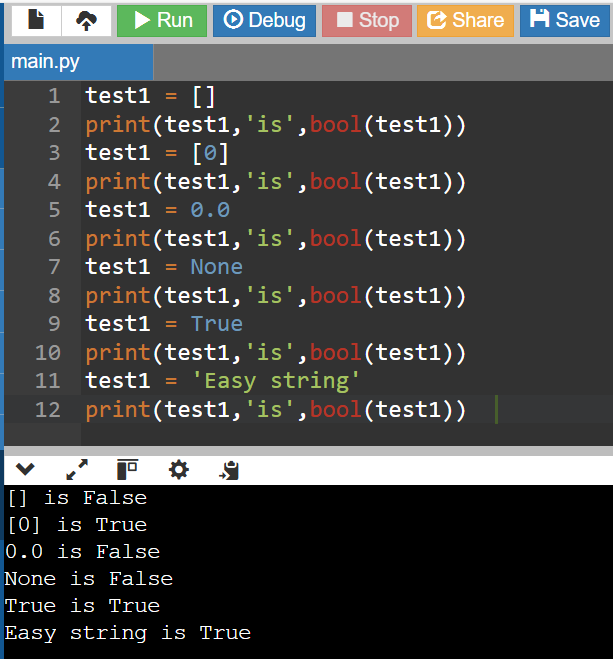
The Anonymous Functions

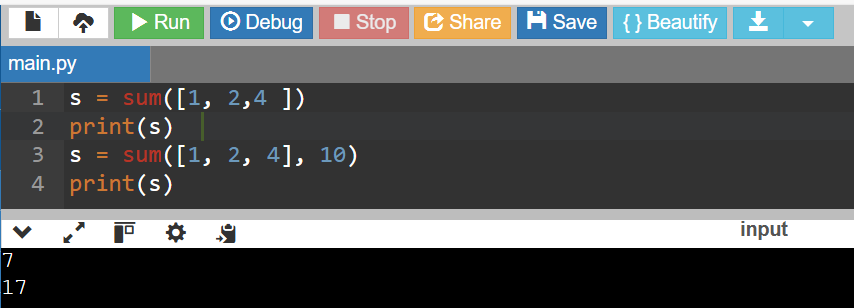


**PYTHON BUILT-IN FUNCTIONS:**

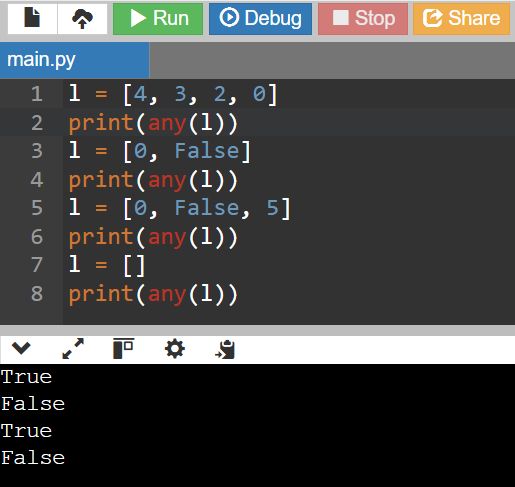
1. 

2. 

3. 

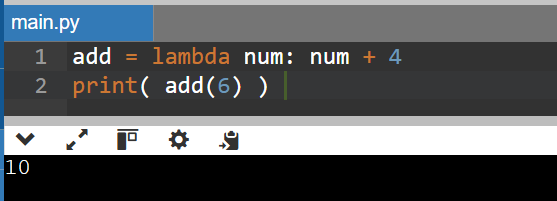
4. 

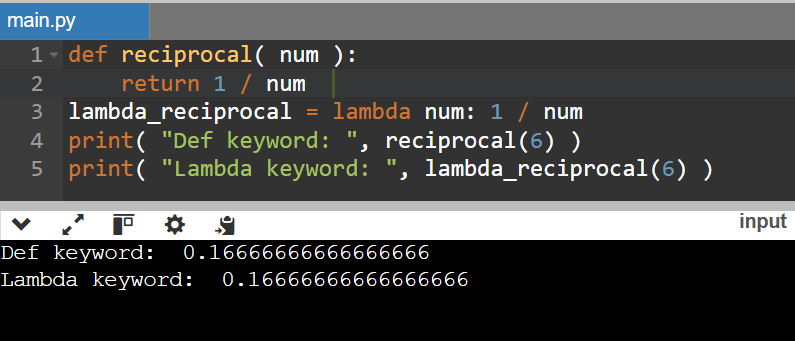
5.



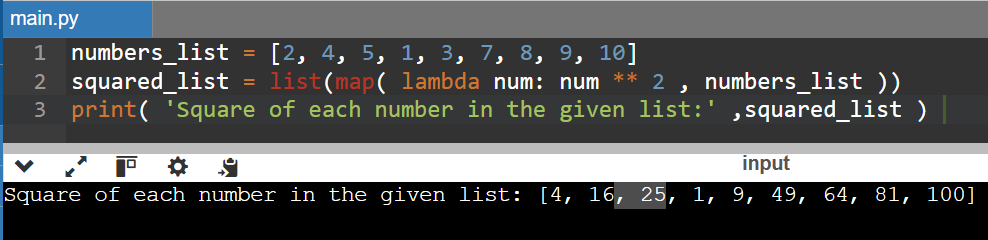
**LAMBDA FUNCTIONS:**

1.

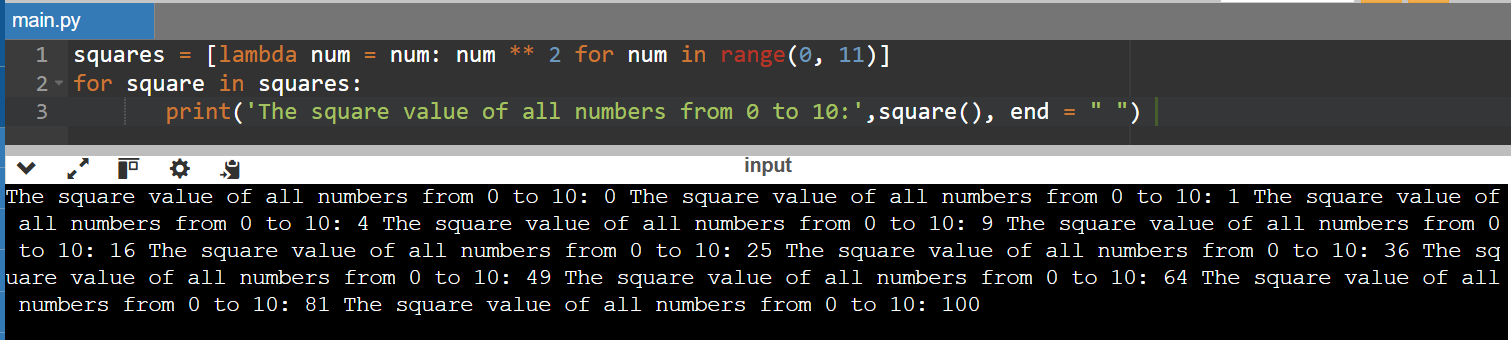


2. 

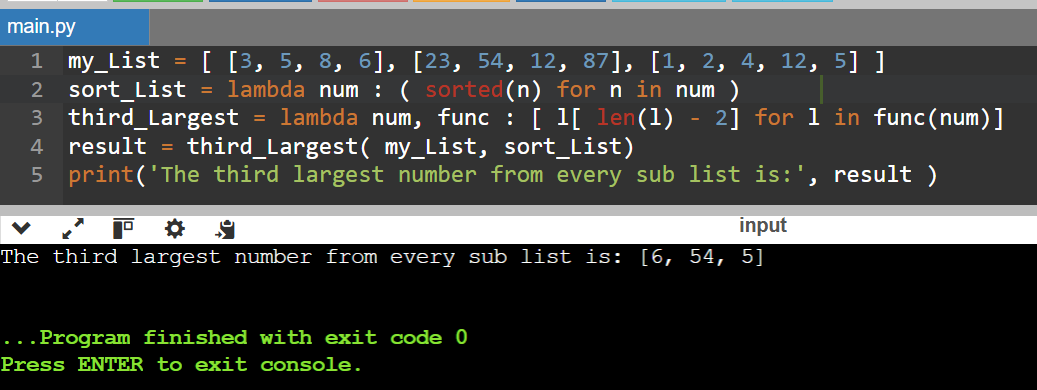
3.



4.

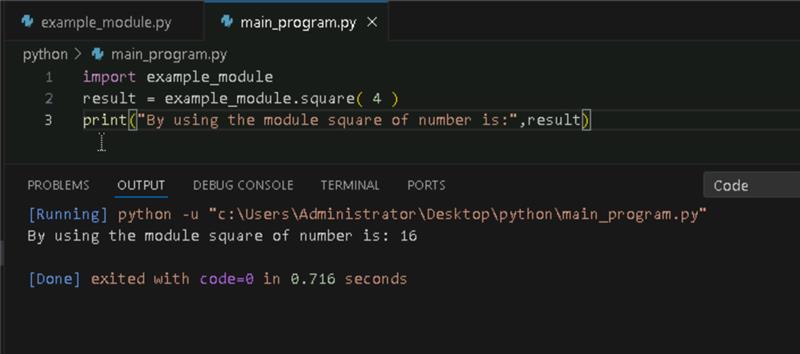


5.

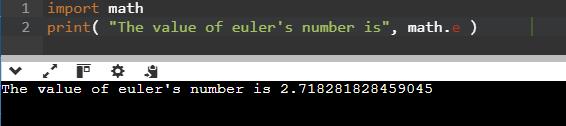


**MODULES**

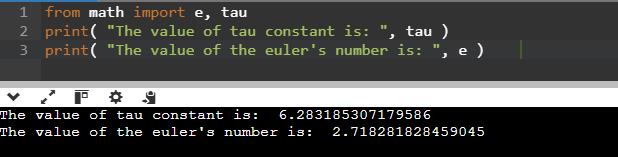
1.



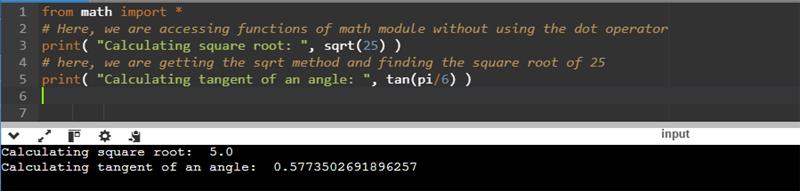
2. **Importing and also Renaming:**



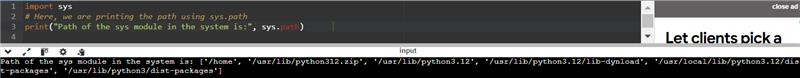
3. **Python from...import Statement:**



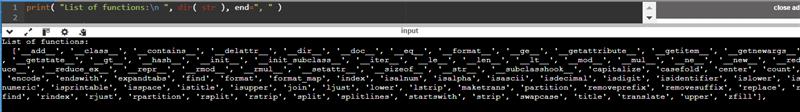
4. **Import all Names - From import \* Statement:**

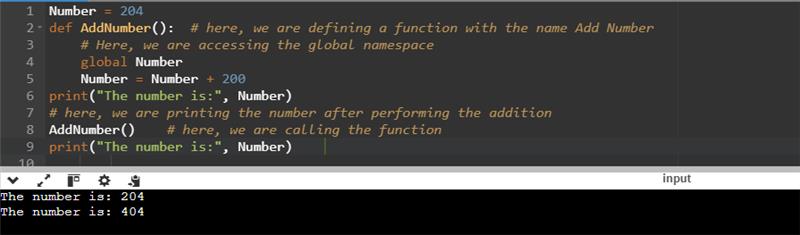


5. **Locating Path of Modules:**



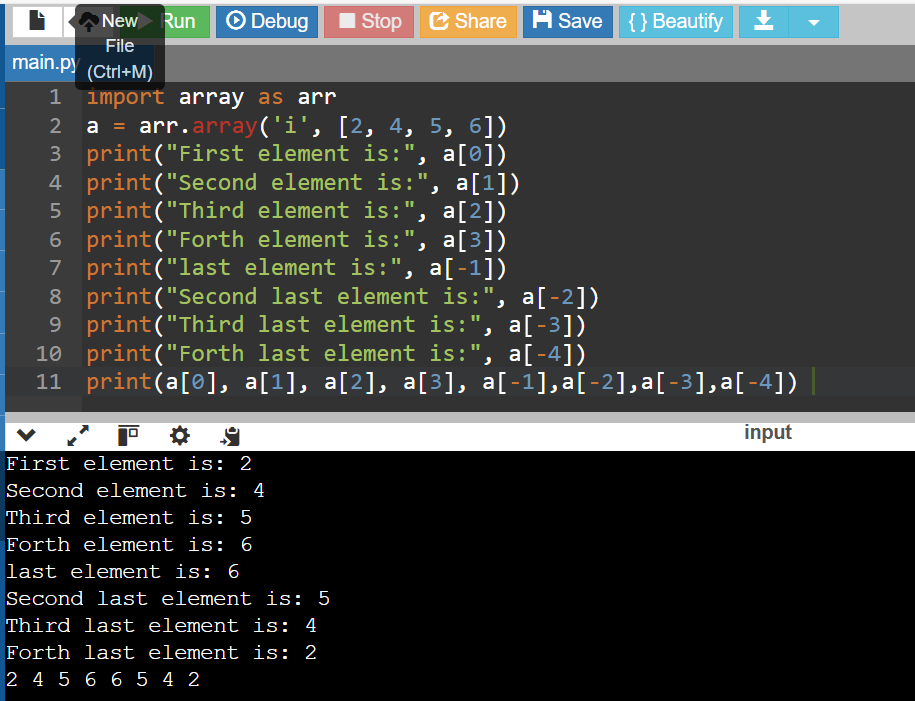
6. **The dir() Built-in Function:**



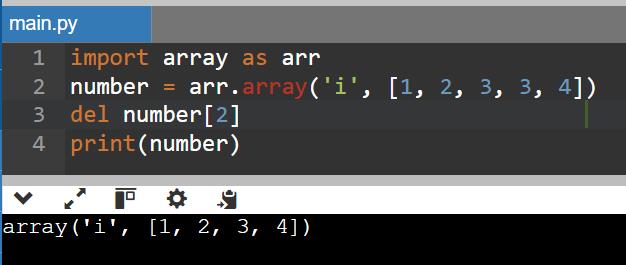
7. **Namespaces and Scoping:**

**PYTHON ARRAYS**

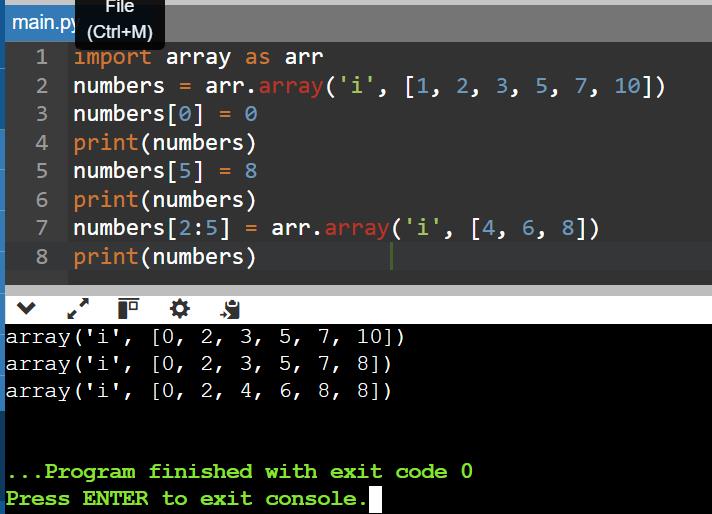
1. **Accessing array elements:**



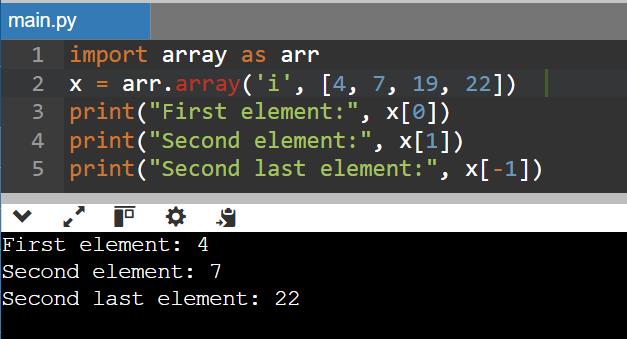
2. **Deleting the elements from Array**



**3. Adding or changing the elements in Array**

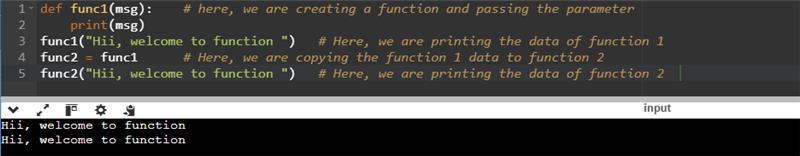


**4. To find the length of array**

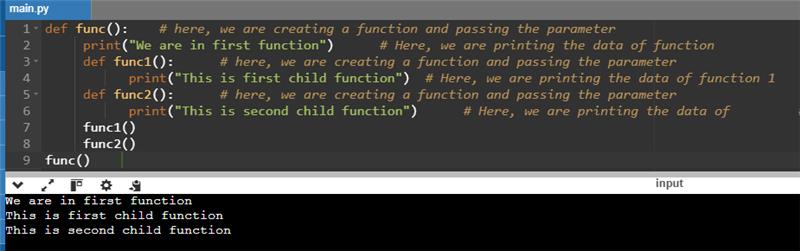


**PYTHON DECORATOR**

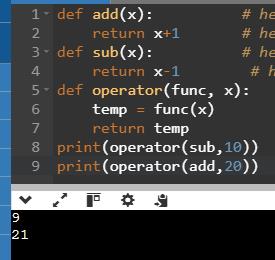
**1.**



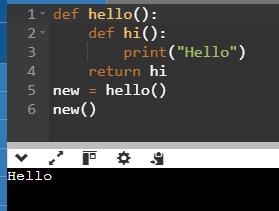
**2. Inner Function**



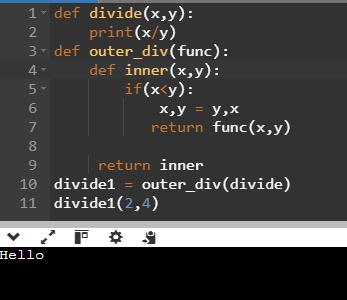
3.



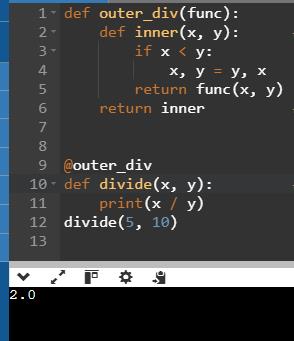
4.



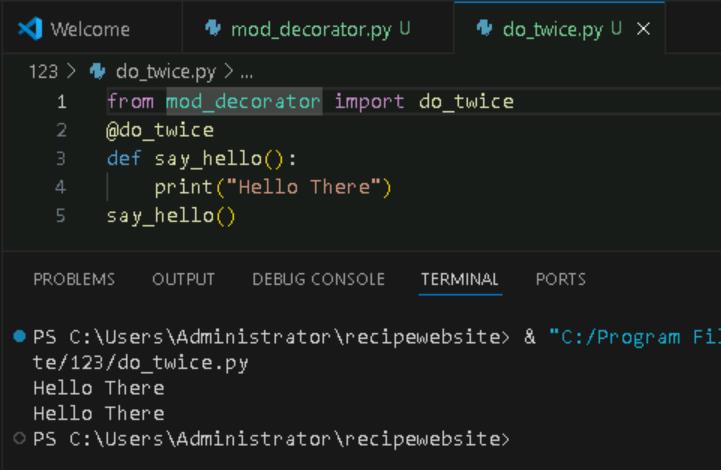
**Decorating functions with parameters:**



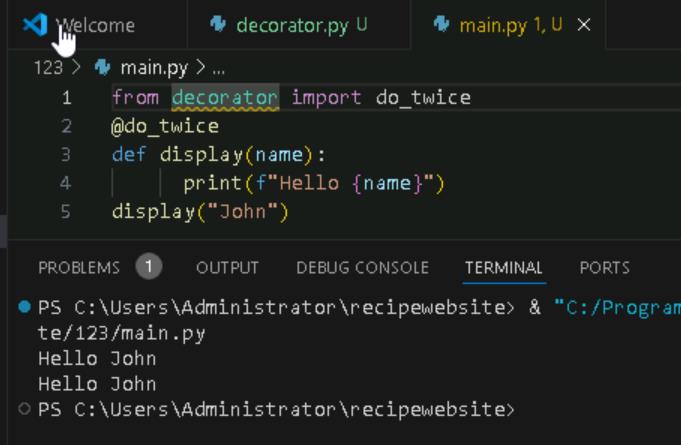
**Syntactic Decorator:**



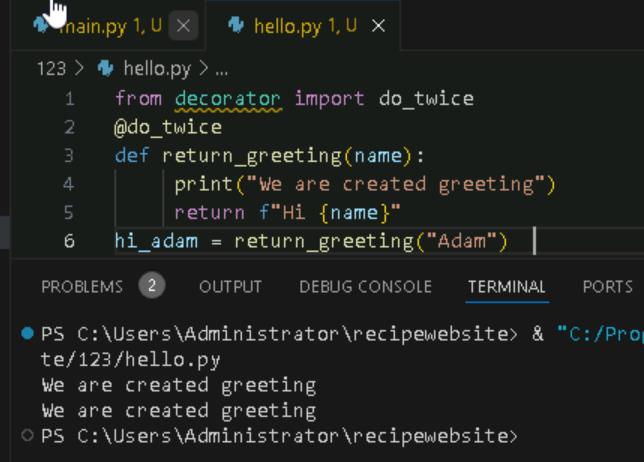
**Reusing Decorator**



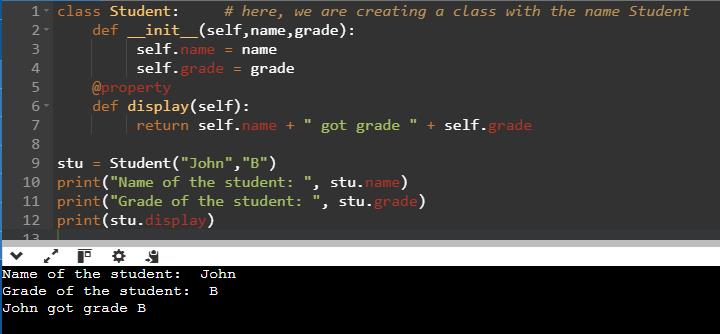
**Python Decorator with Argument**

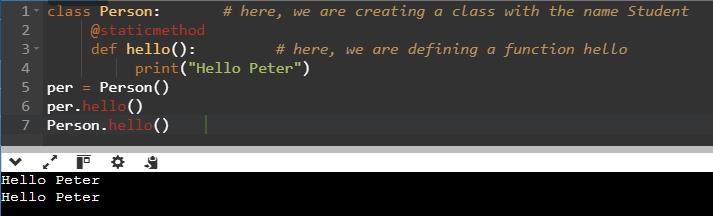


**Returning Values from Decorated Functions**

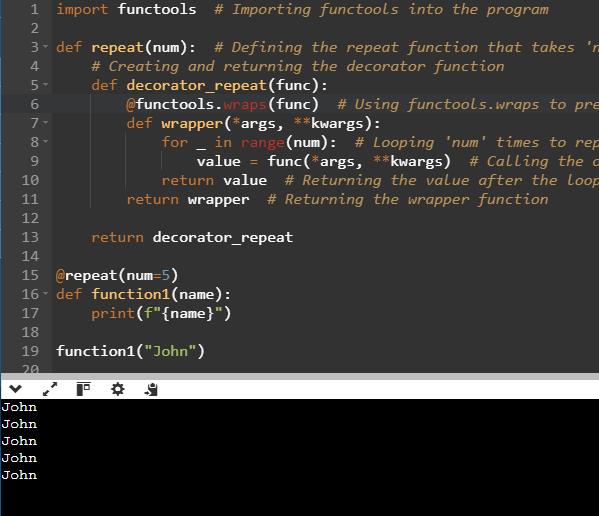


**Fancy Decorators**

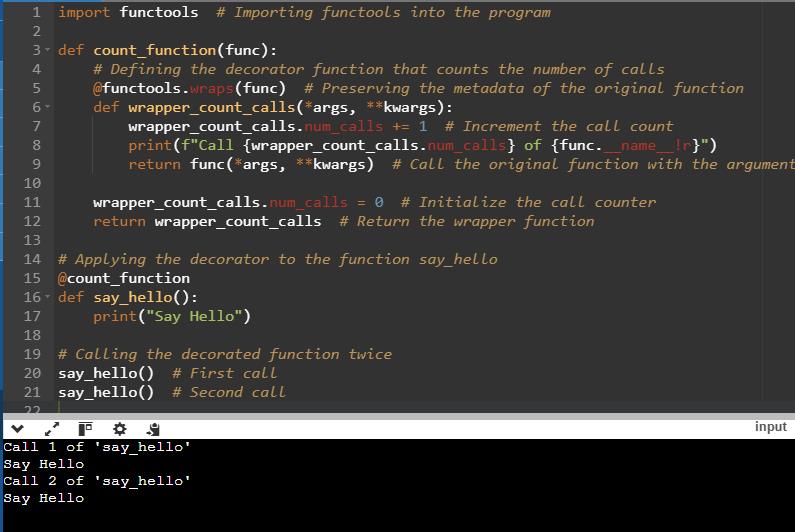




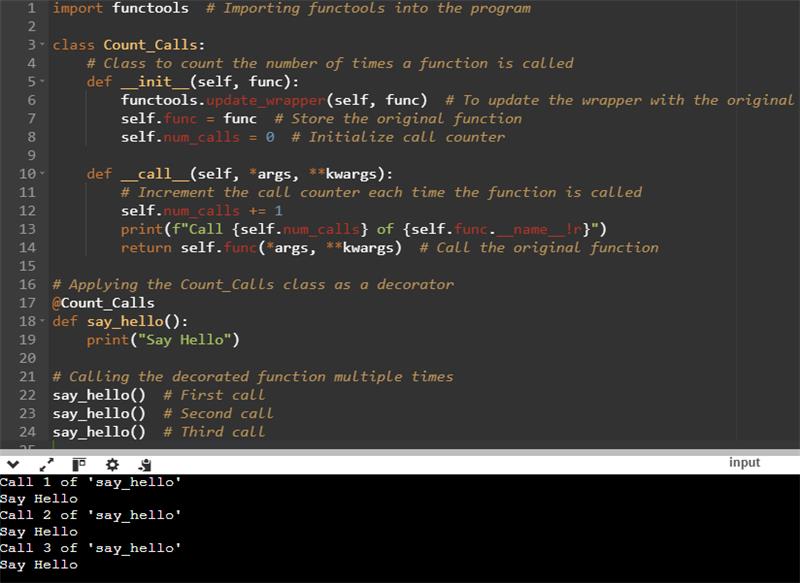
**Decorator with Arguments**



**Stateful Decorators**



**Classes as Decorators**



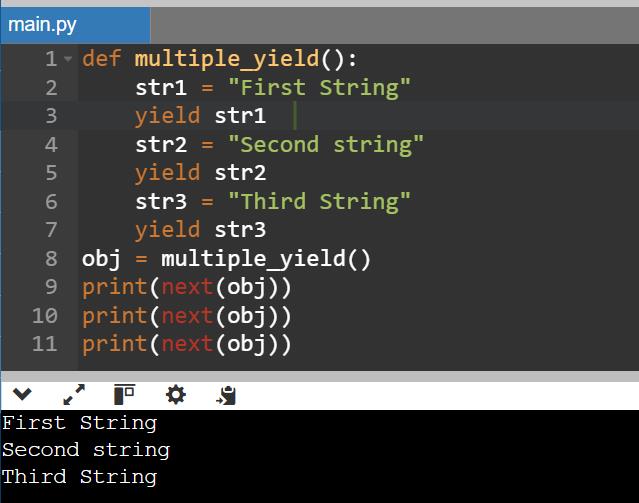
**PYTHON GENERATORS**

**1. To create Generator function in python**

A screenshot of a computer program

Description automatically generated

**1. Using multiple Yield Statement**

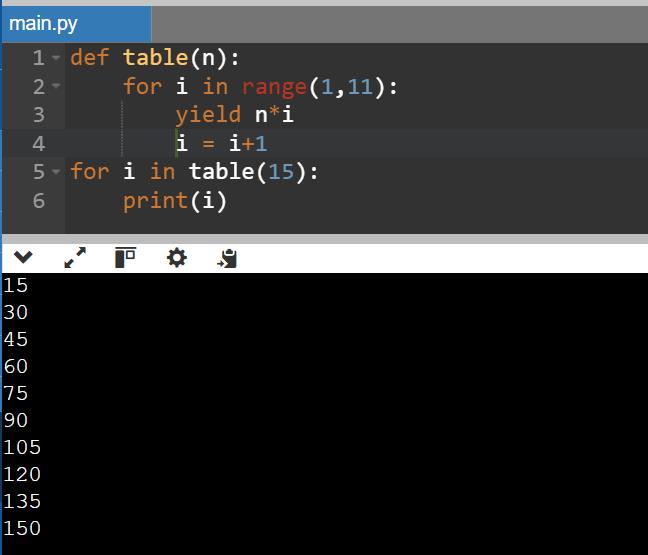


**1. Generator Expression**

A screenshot of a computer program

Description automatically generated

**1. Multiplication table using Generators**



A screen shot of a computer

Description automatically generated**1. Using next () on Generator Object**