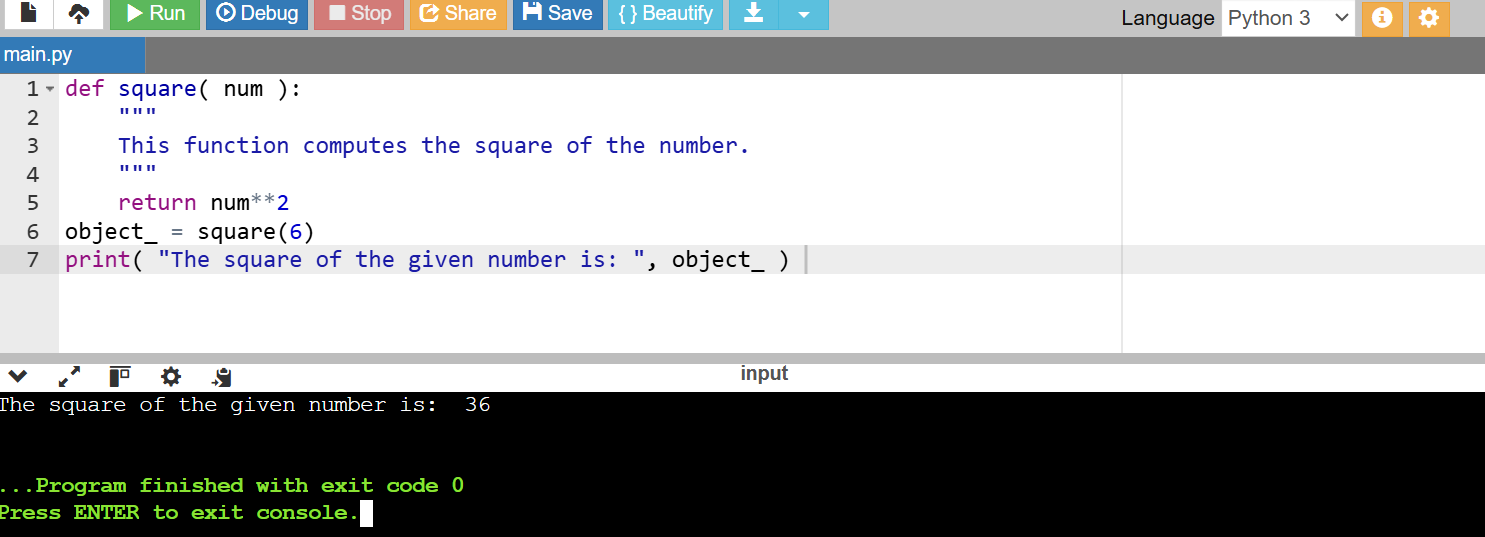
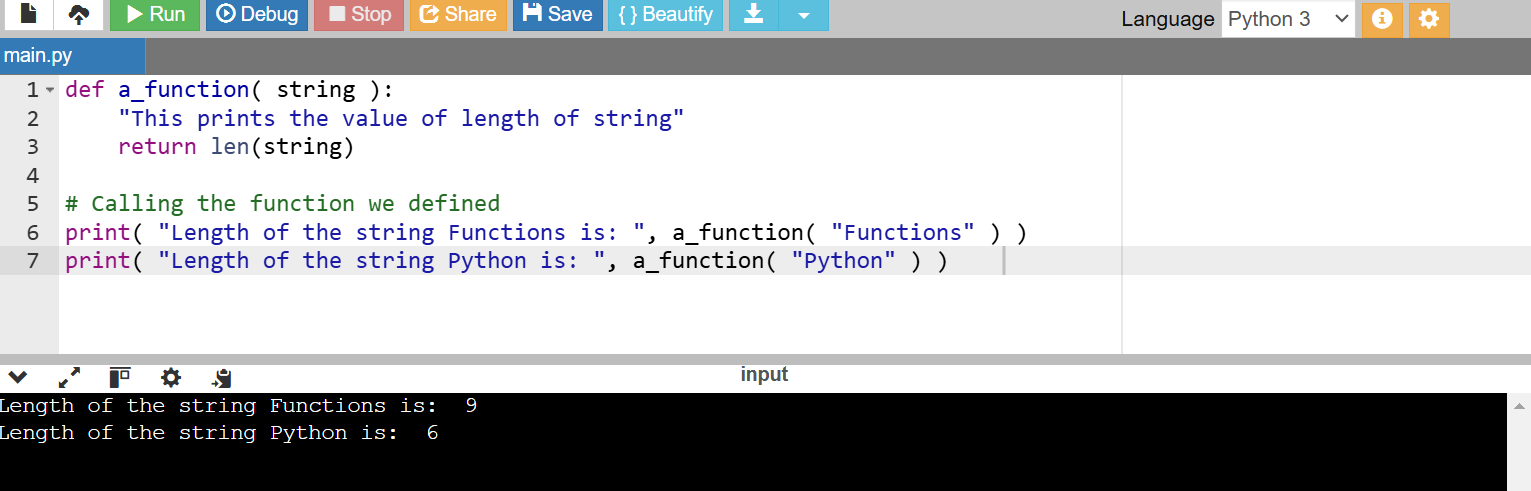
**FUNCTIONS**

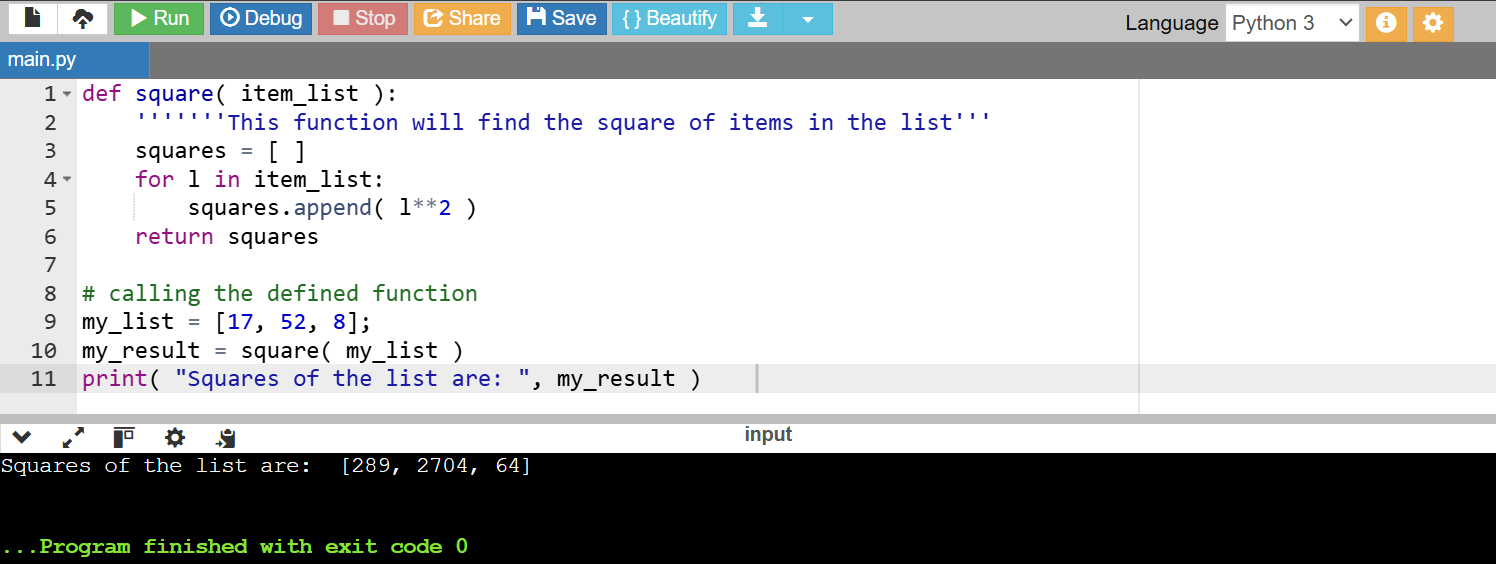
1. User-Defined Function



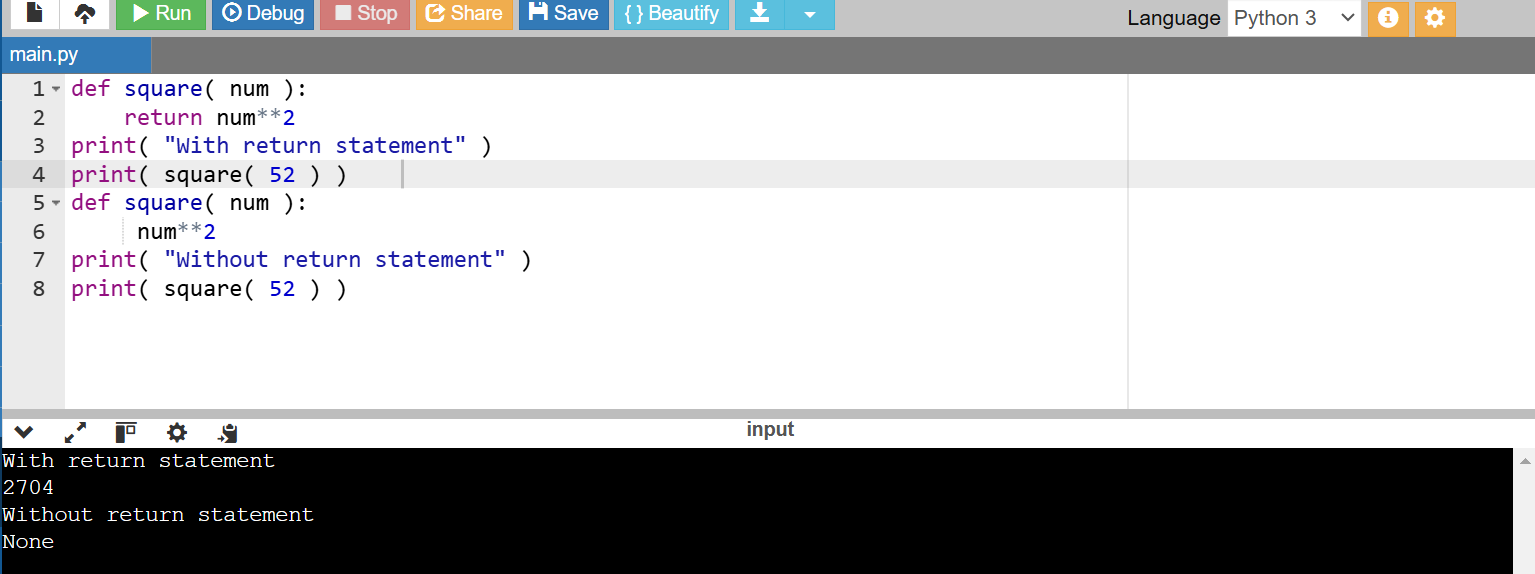
2. Calling a Function



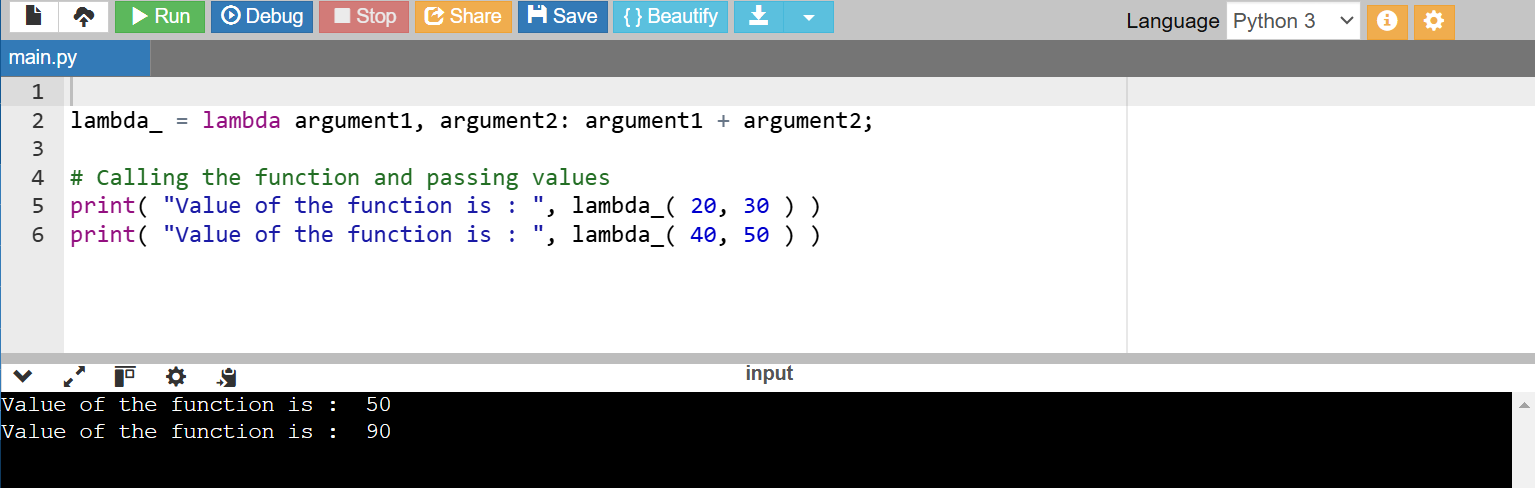
**Pass by Reference vs. Pass by Value**

1. 

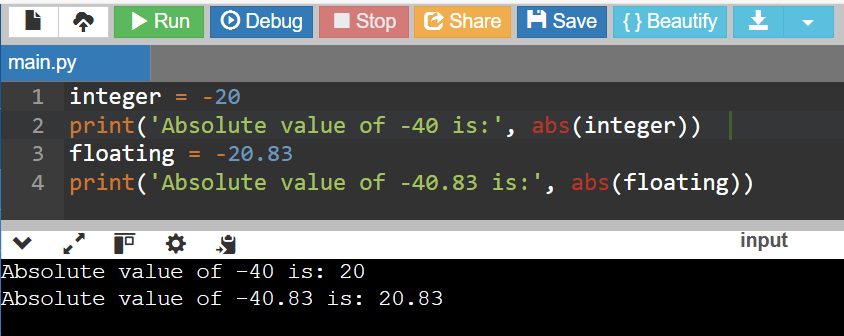
2. return Statement



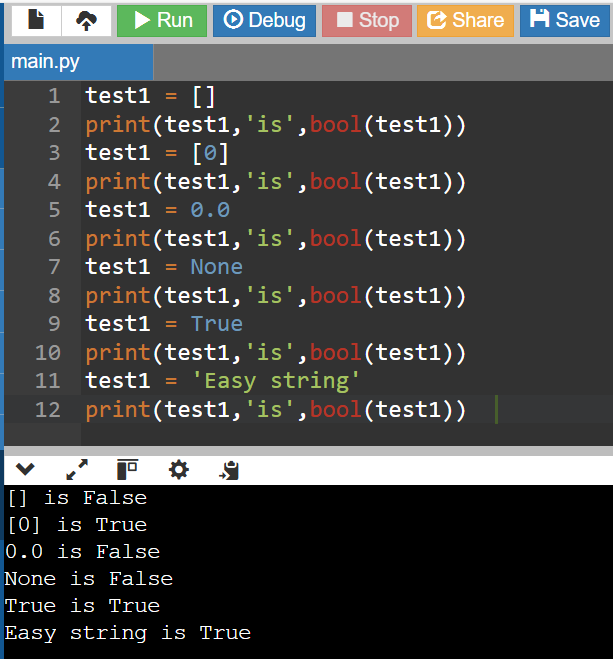
The Anonymous Functions

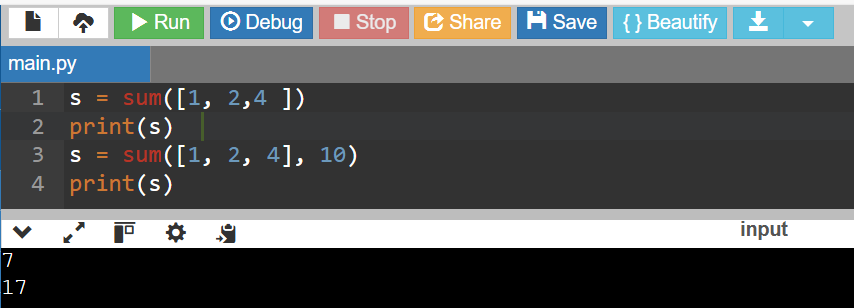


PYTHON BUILT-IN FUNCTIONS:

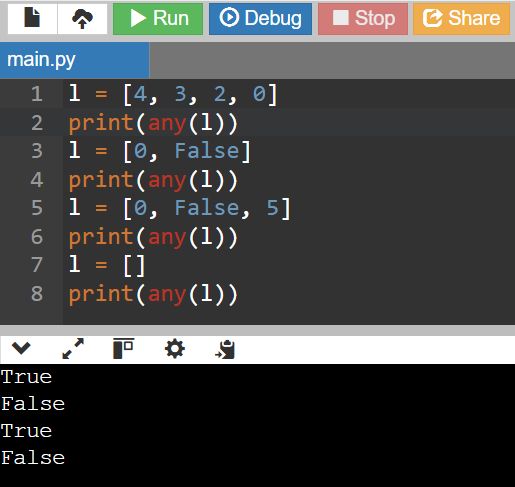
1. 

2. 

3. 

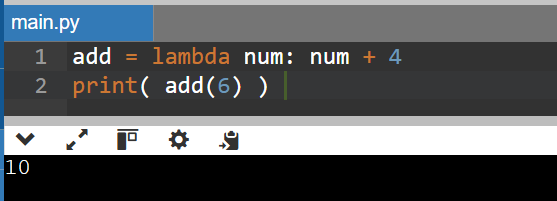
4. 

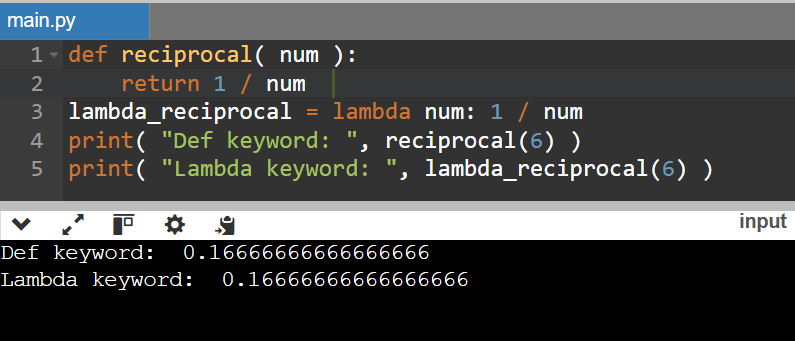
5.



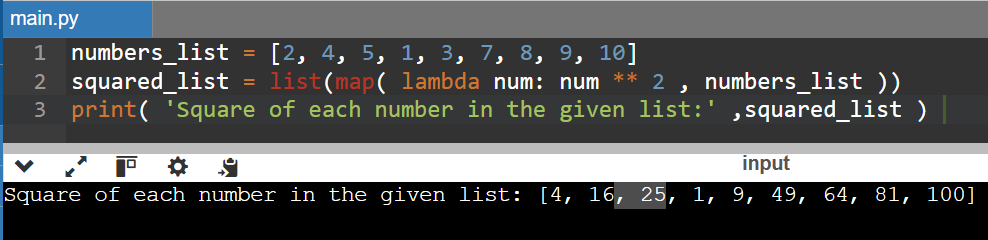
LAMBDA FUNCTIONS:

1.

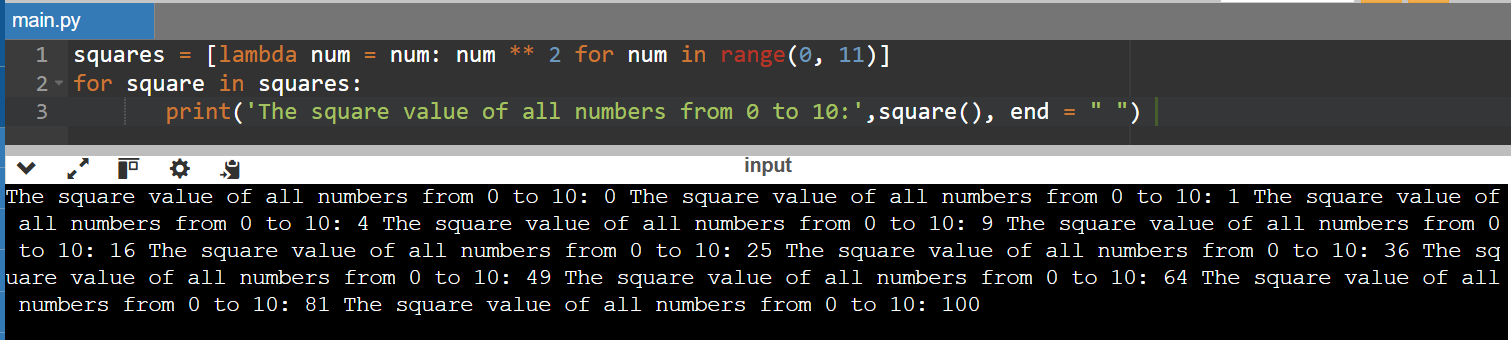


2. 

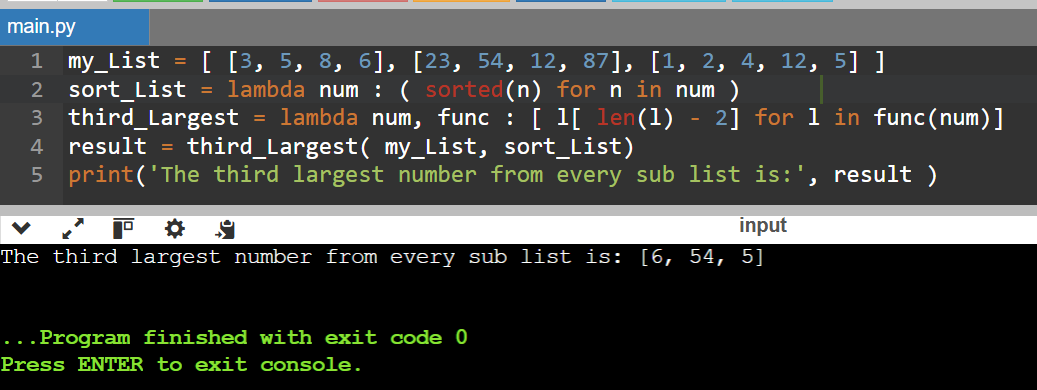
3.



4.

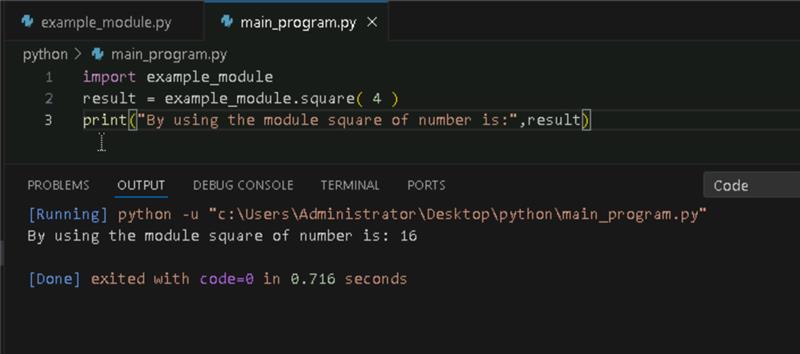


5.

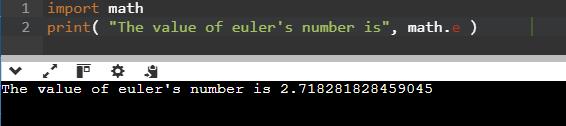


MODULES

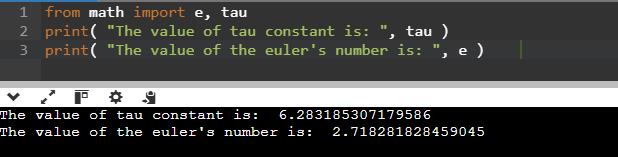
1.



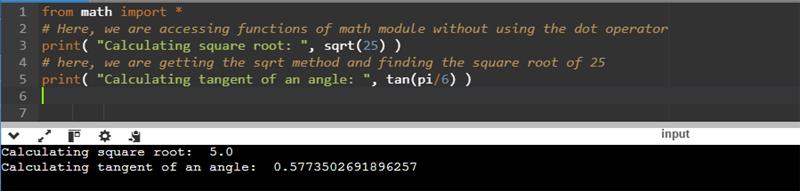
2. **Importing and also Renaming:**



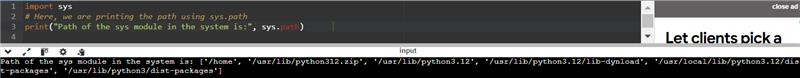
3. Python from...import Statement:



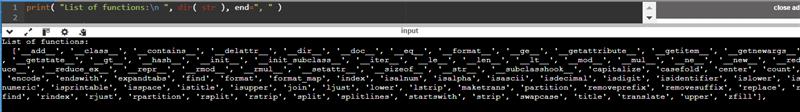
4. Import all Names - From import \* Statement:

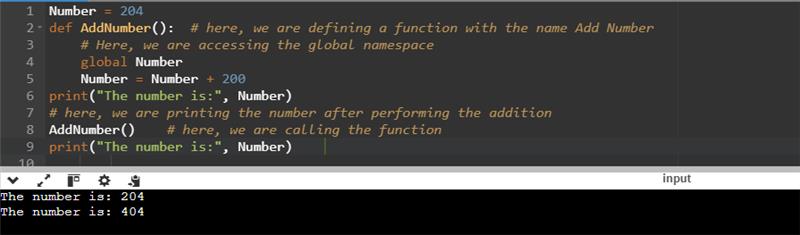


5. Locating Path of Modules:



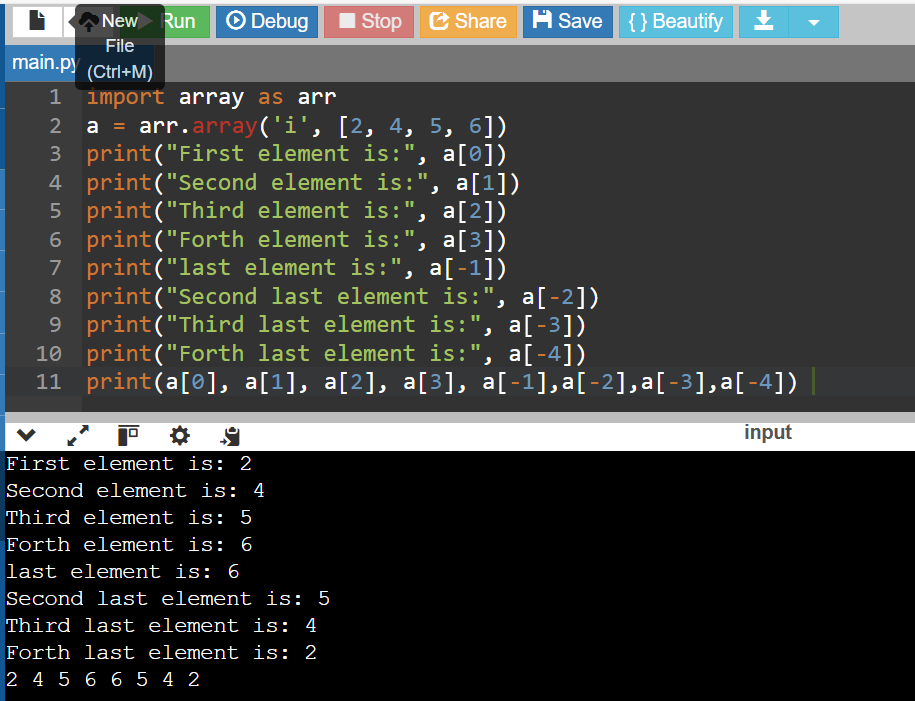
6. The dir() Built-in Function:



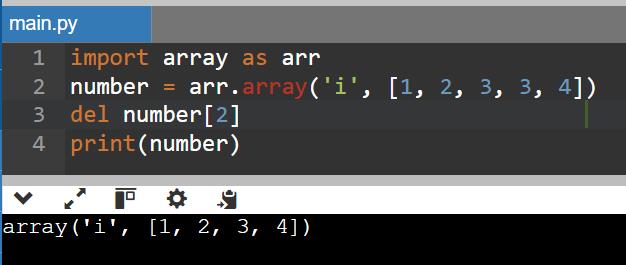
7. Namespaces and Scoping:

**PYTHON ARRAYS**

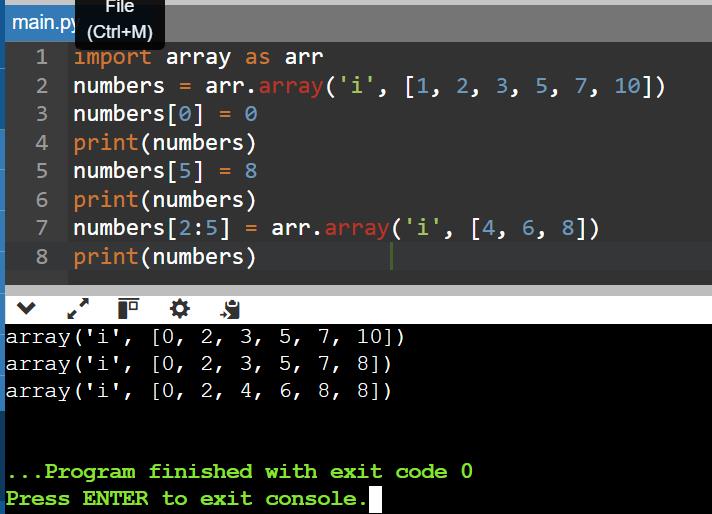
1. Accessing array elements:



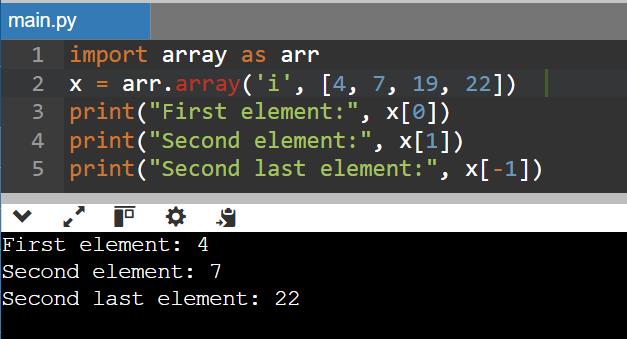
2. Deleting the elements from Array



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

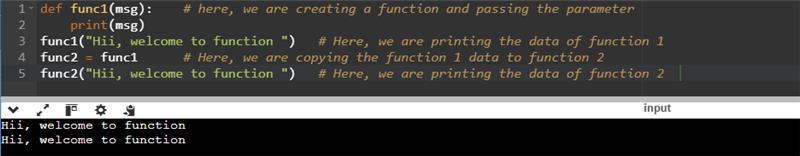


**4**. To find the length of array

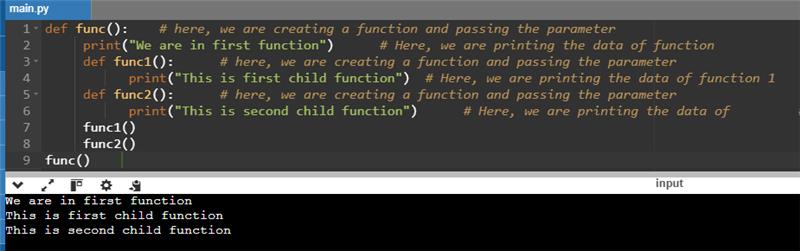


**PYTHON DECORATOR**

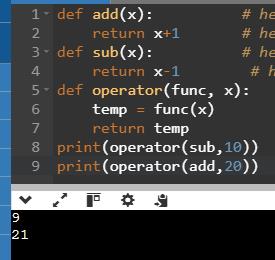
**1.**



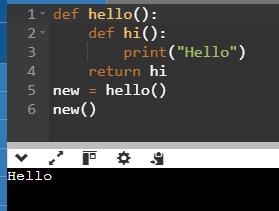
**2**. Inner Function



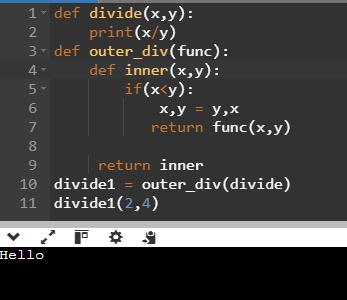
3.



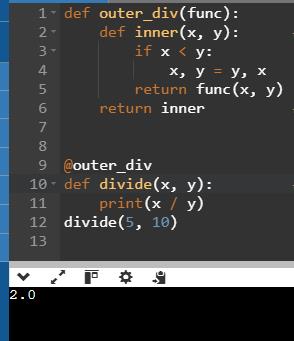
4.



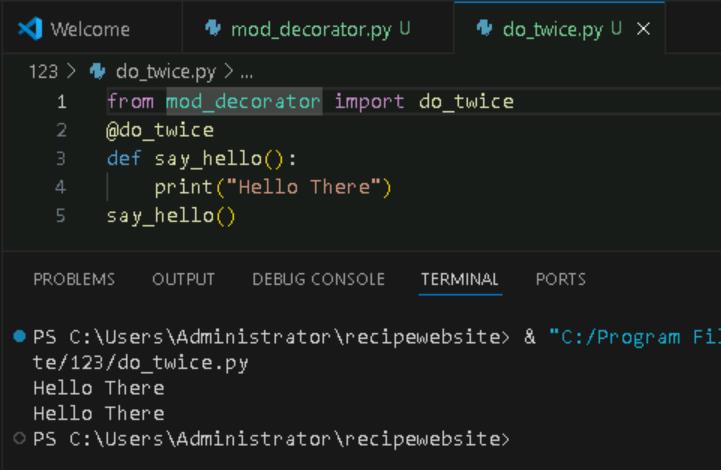
Decorating functions with parameters:



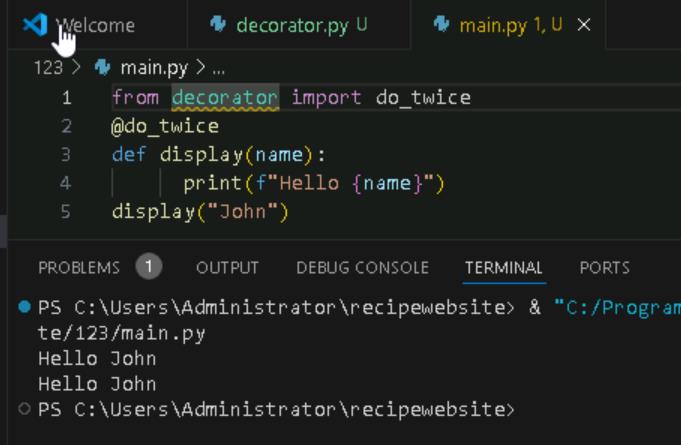
Syntactic Decorator:



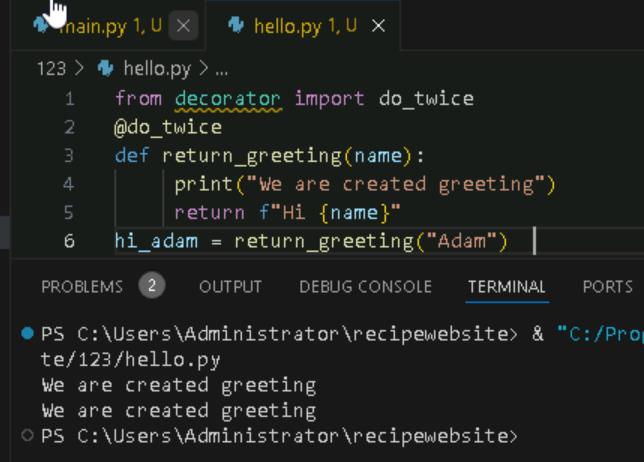
Reusing Decorator



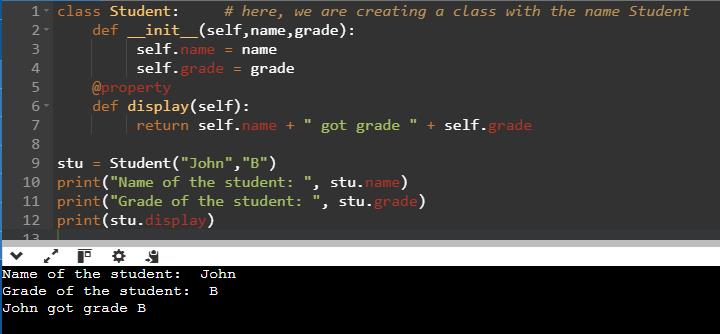
Python Decorator with Argument

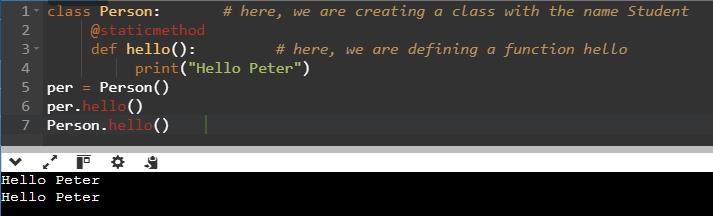


Returning Values from Decorated Functions

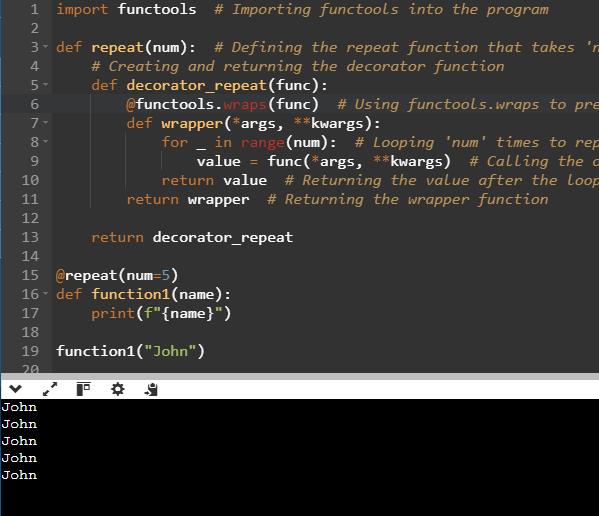


Fancy Decorators

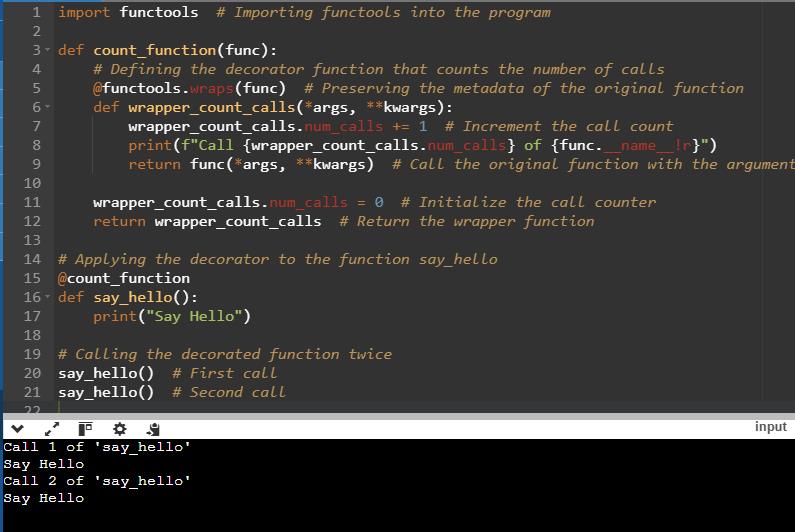




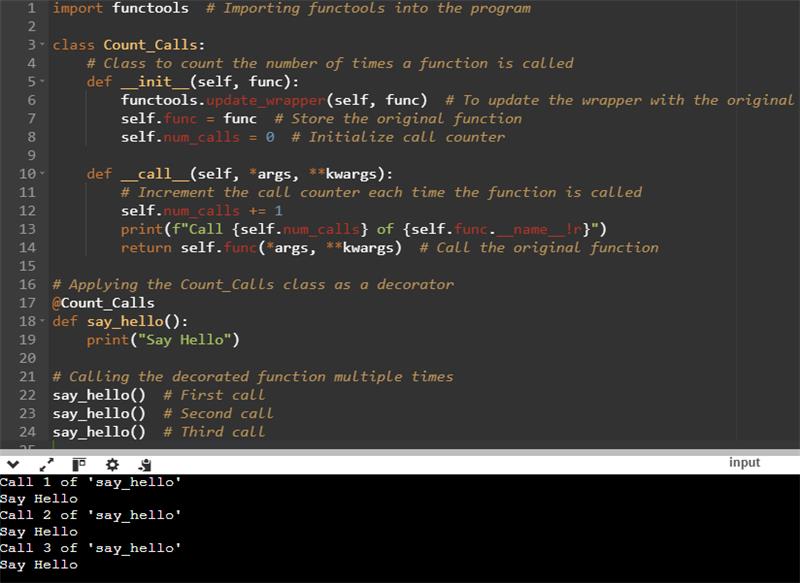
Decorator with Arguments



Stateful Decorators



Classes as Decorators



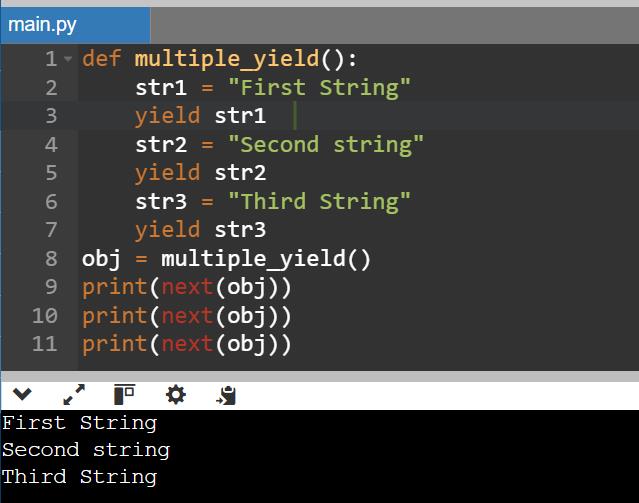
**PYTHON GENERATORS**

To create Generator function in python

A screenshot of a computer program

Description automatically generated

Using multiple Yield Statement

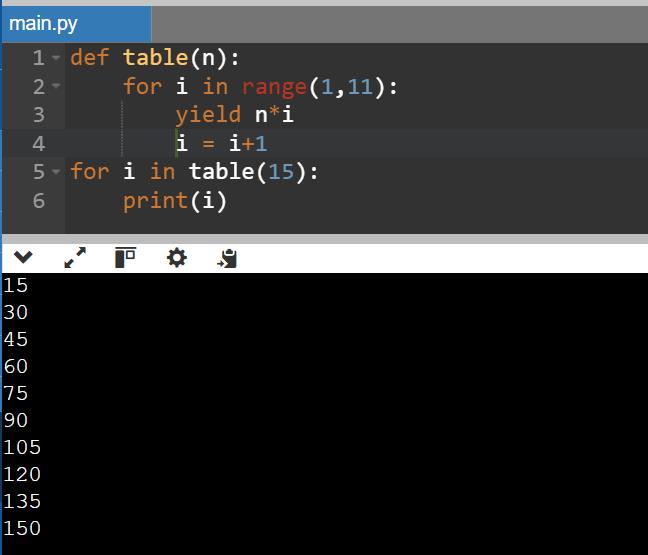


Generator Expression

A screenshot of a computer program

Description automatically generated

Multiplication table using Generators



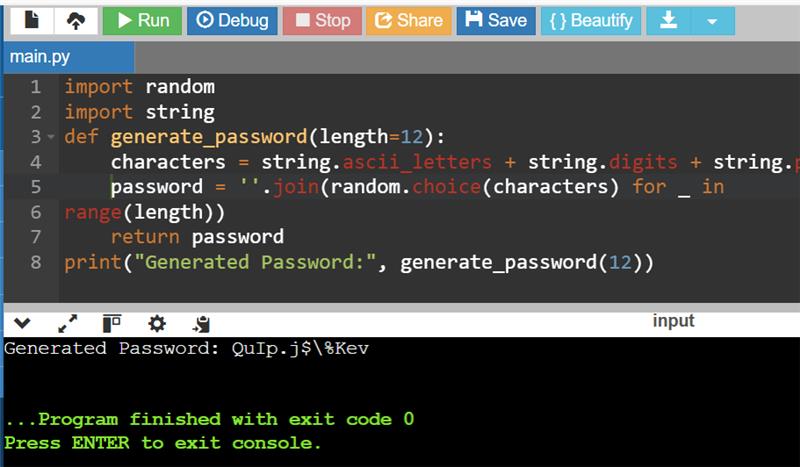
Using next () on Generator Object

A screen shot of a computer

Description automatically generated

**PYTHON BASIC PROJECT**

**1.PASSWORD GENERATOR**



 **2.TO-DO LIST**

A screen shot of a computer program

Description automatically generated

**OUPUT**

A black screen with a white text

Description automatically generated

**3.WEATHER APP (API Based)**

A screen shot of a computer program

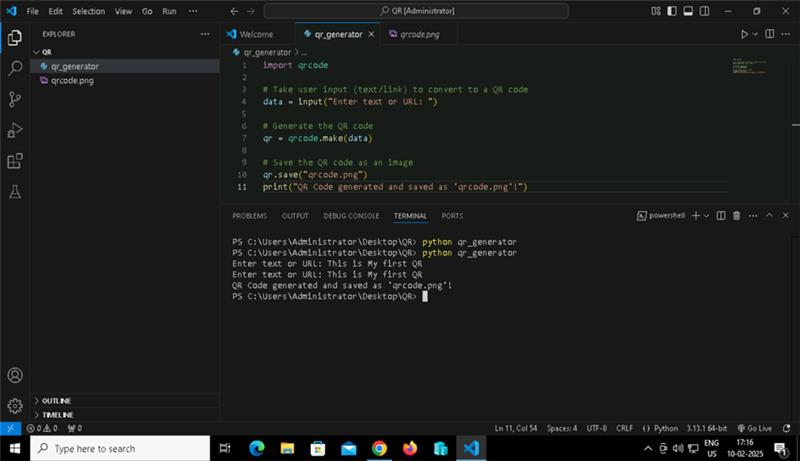
Description automatically generated

**4.NUMBER GUESSING GAME**

A screenshot of a computer program

Description automatically generated

**5.QR CODE GENERATOR**



**OUTPUT**

