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Batch: Data Engineering Batch-1

Python Modules

A Python module is a file containing Python definitions and statements. A module can define functions, classes, and variables. A module can also include runnable code.

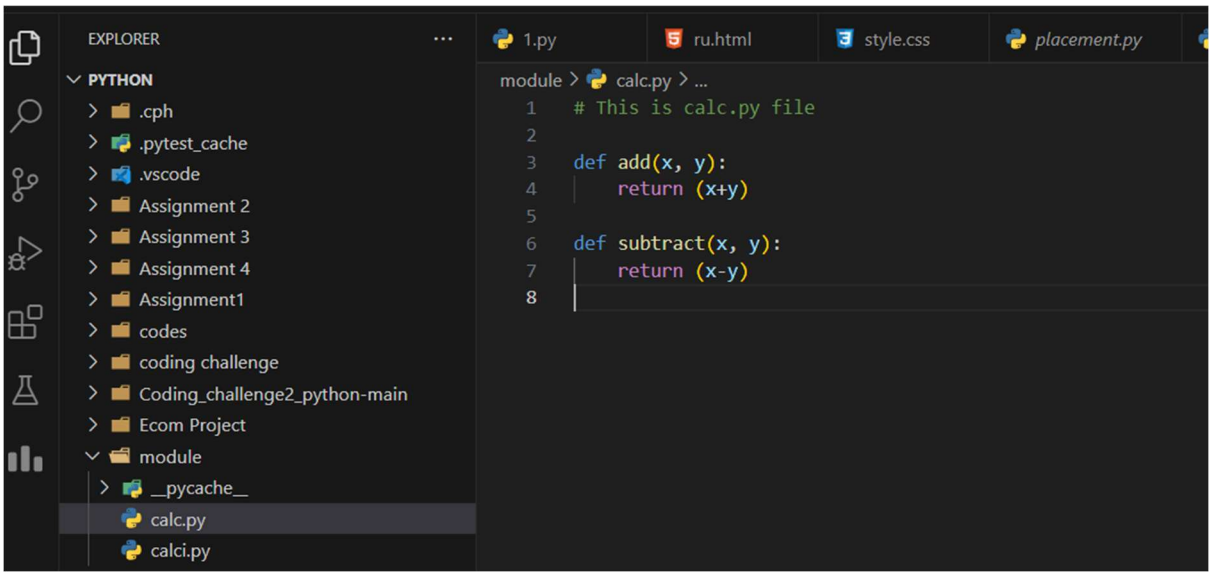
Grouping related code into a module makes the code easier to understand and use. It also makes the code logically organized.

Create a Python Module

To create a Python module, write the desired code and save that in a file with **.py** extension. Let's understand it better with an example:

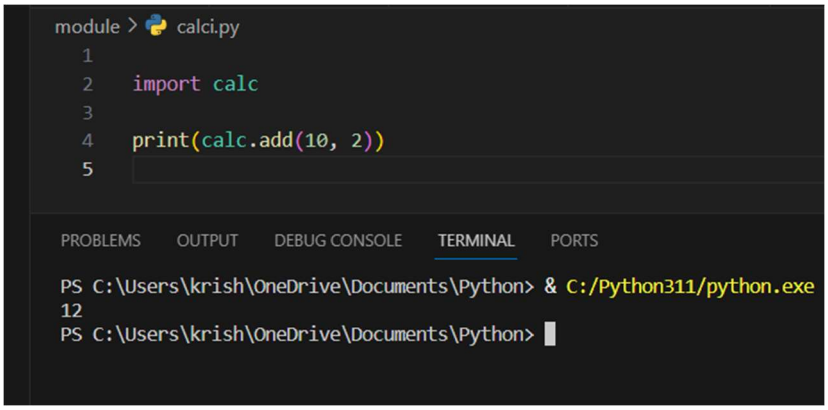
Example:

Let's create a simple calc.py in which we define two functions, one **add** and another **subtract**.



Importing modules in Python Example

Now, we are importing the **calc** that we created earlier to perform add operation.



Python Import From Module

Python's from statement lets you import specific attributes from a module without importing the module as a whole.

Import Specific Attributes from a Python module

Here, we are importing specific sqrt and factorial attributes from the math module.

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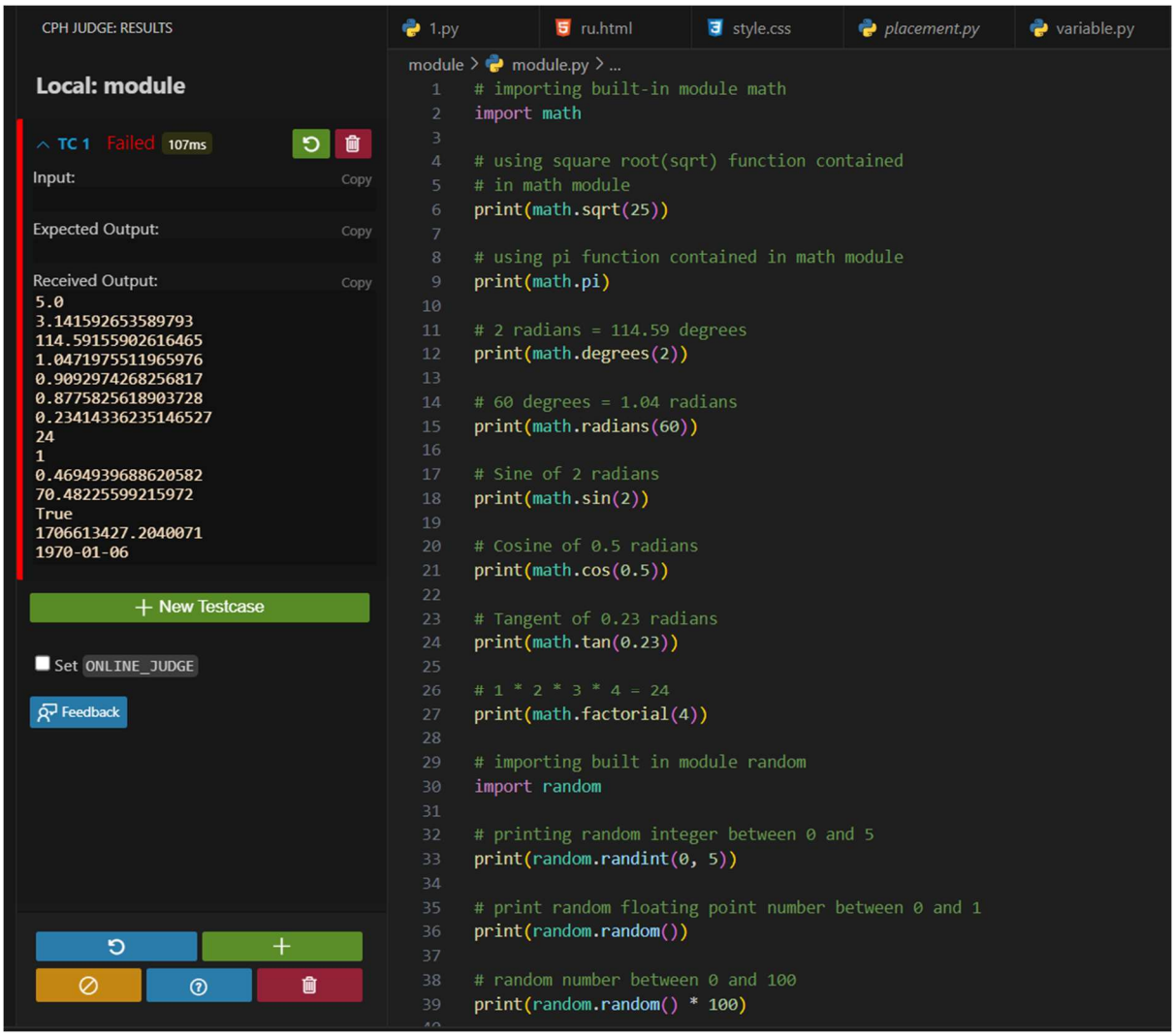

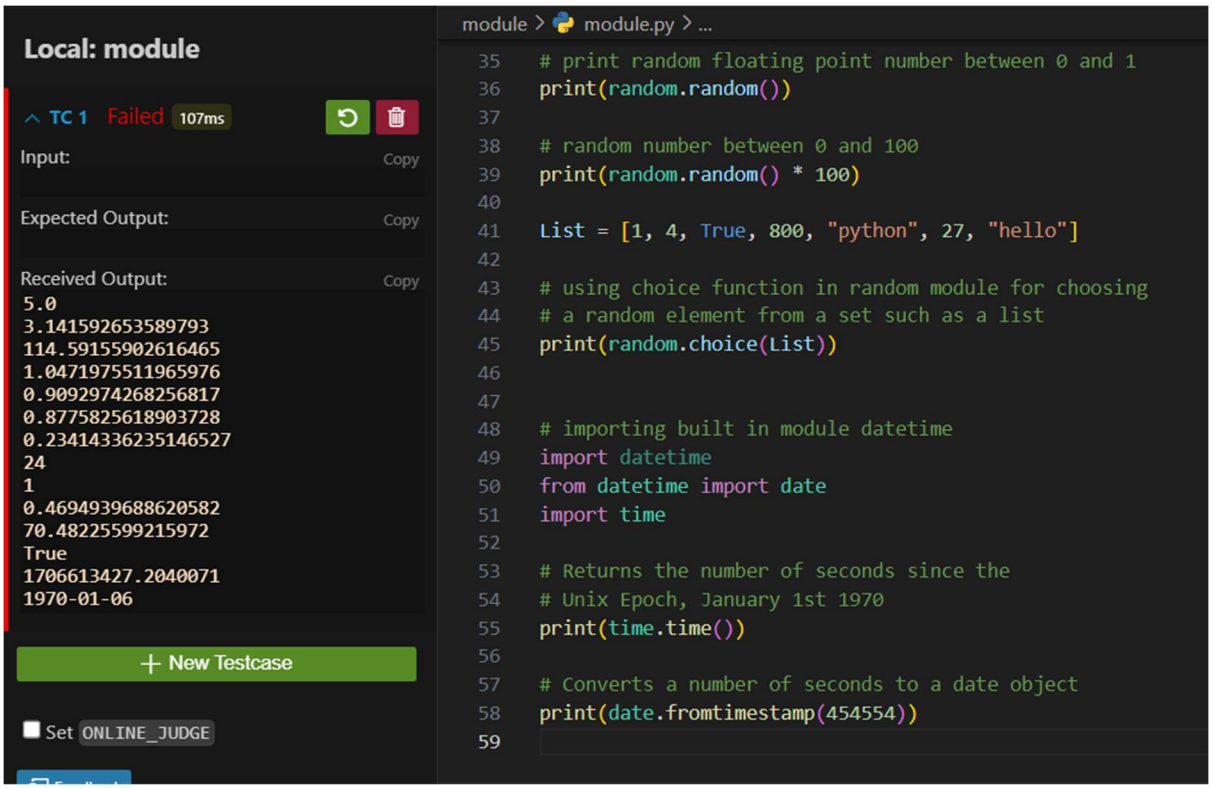

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