

Python-Modules and Math

Module: A file containing a set of functions you want to include in your application.

Try yourself:

Save this code in a file named mymodule.py

```
def greeting(name):  
    print("Hello, " + name)
```

Import the module named mymodule, and call the greeting function:

```
import mymodule
```

```
mymodule.greeting("Jonathan")
```

A screenshot of a Python IDE with a dark theme. The left pane shows a script with two lines of code: `import mymodule` and `mymodule.greeting("Jonathan")`. The right pane shows the output of the script, which is `Hello, Jonathan`.

```
import mymodule  
mymodule.greeting("Jonathan")  
  
Hello, Jonathan
```

Try yourself:

```
import platform
```

```
x = platform.system()  
print(x)
```

A screenshot of a Python IDE with a dark theme. The left pane shows a script with three lines of code: `import platform`, `x = platform.system()`, and `print(x)`. The right pane shows the output of the script, which is `Windows`.

```
import platform  
  
x = platform.system()  
print(x)  
  
Windows
```

```
import platform
```

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```
x = dir(platform)
print(x)
```

Math:

Try yourself:

```
x = min(5, 10, 25)
y = max(5, 10, 25)
```

```
print(x)
print(y)
```

The abs() function returns the absolute (positive) value of the specified number:

Example

```
x = abs(-7.25)

print(x)
```

Output# (Associates will be displaying)

```
import math
```

```
x = math.sqrt(64)
```

```
print(x)
```

```
import math
```

```
x = math.pi
```

```
print(x)
```

Thank you