

# Concept: Modules and Packages

Modules are Python files containing reusable code such as functions or classes. They help organize programs into separate files for maintainability.

Importing a module allows access to its contents using the import keyword. Use 'from module import function' to import specific items.

Packages are directories containing multiple modules and an `__init__.py` file. They enable hierarchical organization of large projects.

Built-in modules like `math`, `os`, and `random` are widely used in daily programming.

```
import math
print('Square root of 16:', math.sqrt(16))
```

```
from random import randint
print('Random number:', randint(1, 10))
```