Modules

LESSON OBJECTIVES

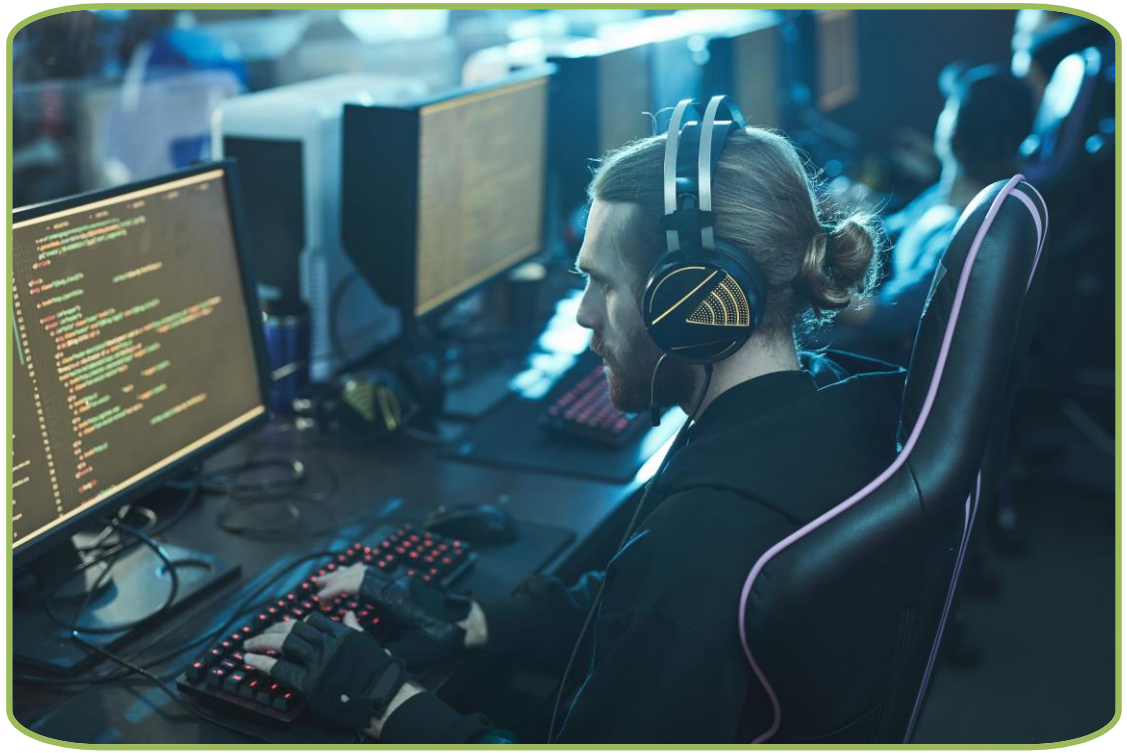
- Understand Python modules
- Functional illustration

Python modules

Modules are files containing Python code that can be imported and used in other Python programs.

- Organize code into reusable units
- Any Python file (.py) can be a module
- Import using the 'import' statement
- Built-in vs Third-party vs User-defined

Benefits of modules



- Code organization and maintainability
- Namespace management
- Code reusability

Code example

```
import time


time.sleep(5)
print("Hello World")
#prints Hello World after 5 seconds
```

Functional illustration