How to use executable module as a reusable module?

What isname?	
name is a predefined variable in python. This variable is assign	ed
value by PVM (Python Virtual Machine). This variable exists within	
builtins module.	
If program is executed as an executable module, PVM assign the va	ılue
main toname variable.	
If program is imported inside another program, PVM assign the valu	e as
module name toname variable.	

Module3.py	Module4.py
def fun1():	import module3
print("fun1 of module3")	
	module3.fun1()
def fun2():	
print("fun2 of module3")	
def fun3():	
print("fun3 of module3")	
ifname=='main':	
fun1()	
fun2()	
fun3()	

Package

What is package?

Package is a collection of modules.

Package allows to group set of related programs or modules.

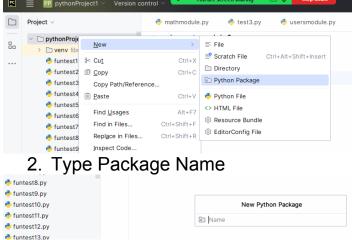
Package is a folder or directory which contains .py files.

Creating package

- 1. Create folder/directory
- 2. Create .py files or python programs or modules

How to create package in pycharm?

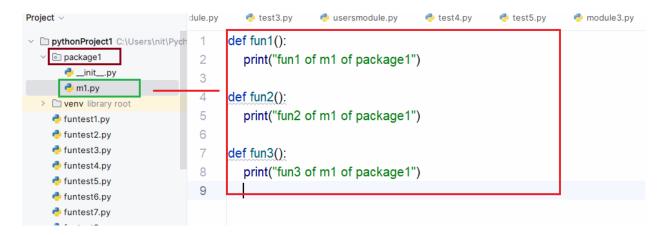
Select project



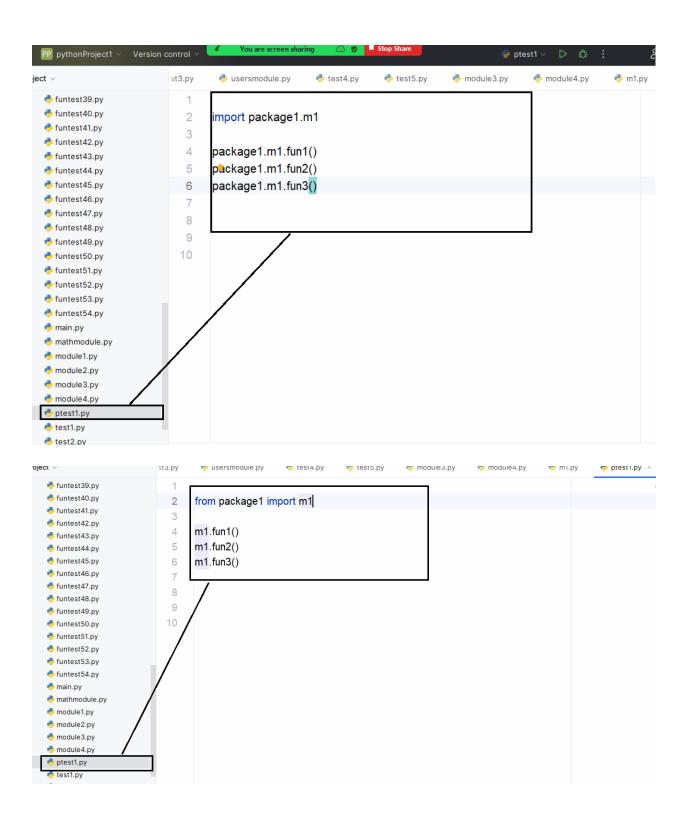
Package is created with one special module or python program called __init__.py

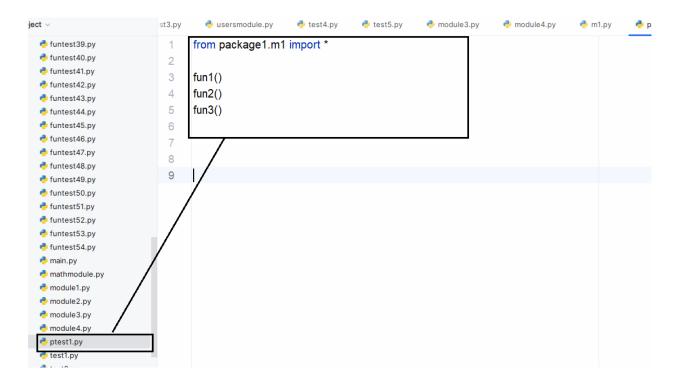
Any name with prefix and suffix with ___ is called magic names. These are created and executed automatically.

Create the package with one module



Using module outside package





What is __init__.py?