we can import something from another file

Krish.py	def welcome(): print("welcome")

main.py	from Krish import welcome
	    welcome()
	  # ~~print~~
	     # welcome

If __name__ == "__main__"

- what is __name__ is a built in ~~function~~ variable in python
- python automatically assign a value to it

<u>Two possible values</u>

① "__main__" → when the file run directly
② "module_name" → when the file is imported into another file.

<u>why do we use it</u>

to control which code should run

○ only when the file is executed directly
○ not when it is imported as module.

Chapter-9 (Some Important function

\# how to importing in Python work

> import math

once a module is imported you can use any of the functions and variable define in the module by using dot notation.

> result = math.sqrt(9)   \# 3.0

\# import math as m

> result = m.sqrt(9)   \# 3

\# from math import sqrt, pi

> result= sqrt(9)   \#3

If we want to know what function are present in dict

> print (dir(math))

Real-life-analogy

" Run this code when i open this book directly, not when it is open as module.

Why it is important

① make code usable.
② prevents unwanted execution.
③ used in projects, scripts, testing and modules.
④ industry standard Python Practice.

Exercise Create a Python utility tool kit containing usefull functions (calculator and temp convert)