

Day - 11

Modules and Packages

Module :-

Refer: Geeks for Geeks

→ A python file that contains collections of functions and global variable and having a .py extension file.

Example: filename summa_module.py

```
def EnModule(peru):
```

```
    print("I am en module!" + peru)
```

⇒ Mont:- import module and call that function inside it.

```
import summa_module
```

```
summa_module.EnModule("Tamil")
```

O/P:-

I am en module : Tamil

* In other words, module is a piece of software that has a specific functionality.

Package:

→ A simple directory having collection of modules.

→ containing Python modules and also having `--init--.py` file by which the interpreter

interprets as a package. This is

⇒ ~~Simply~~ Simply a namespace.

→ also can contain subpackages inside it.

Example:-

DailyWageLabor (Package)

`--init--.py` (Constructor)

`details.py` (Module)

`salary.py` (Module)

`homeExpenditure.py` (Module)

Library:-

→ having a collection of related functionality of codes that allows you to perform many tasks without writing your code.

Example:-

```
import pandas as pd  
index = pd.read_csv("100days.csv")
```