



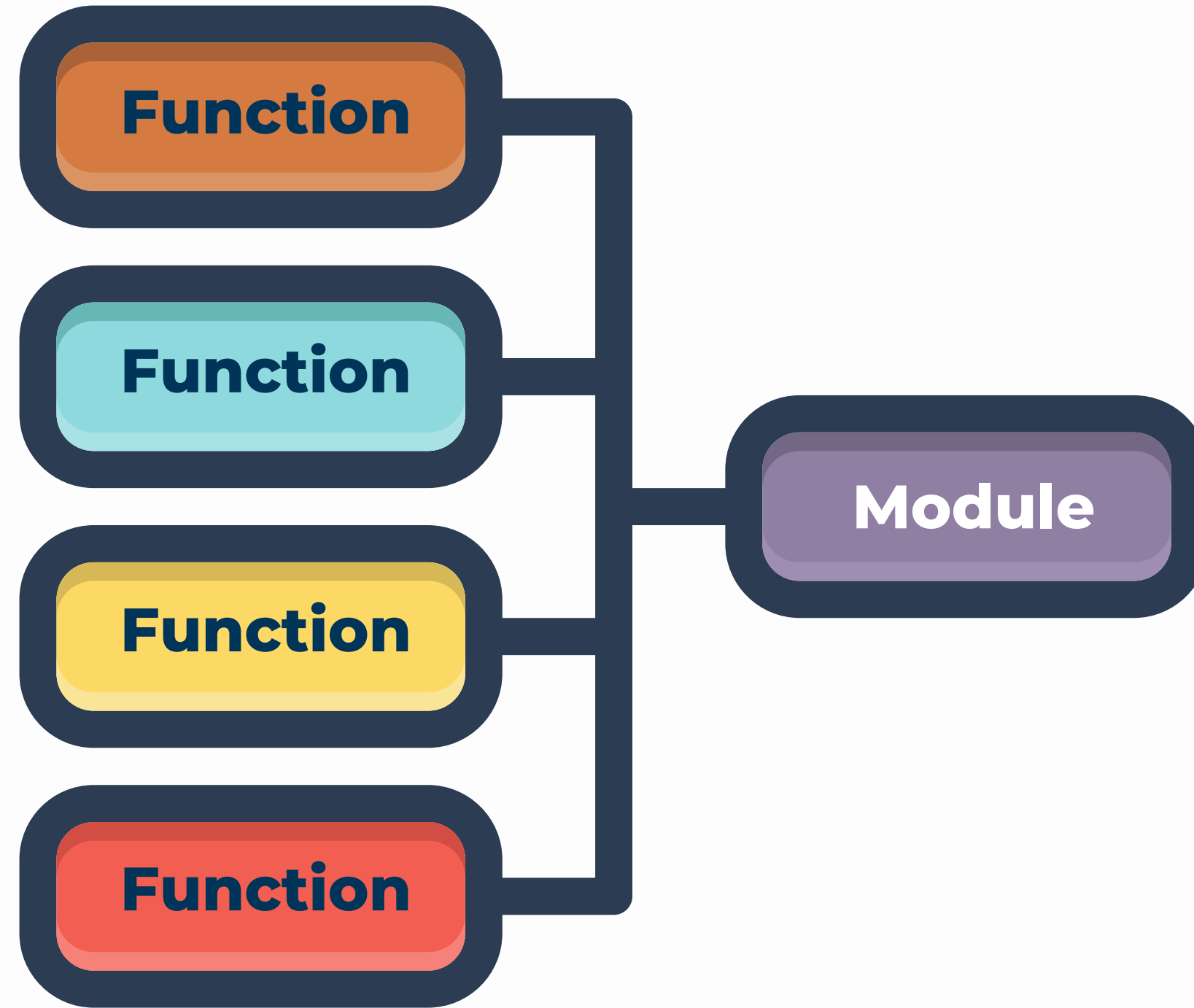
# PYTHON DAY - 9



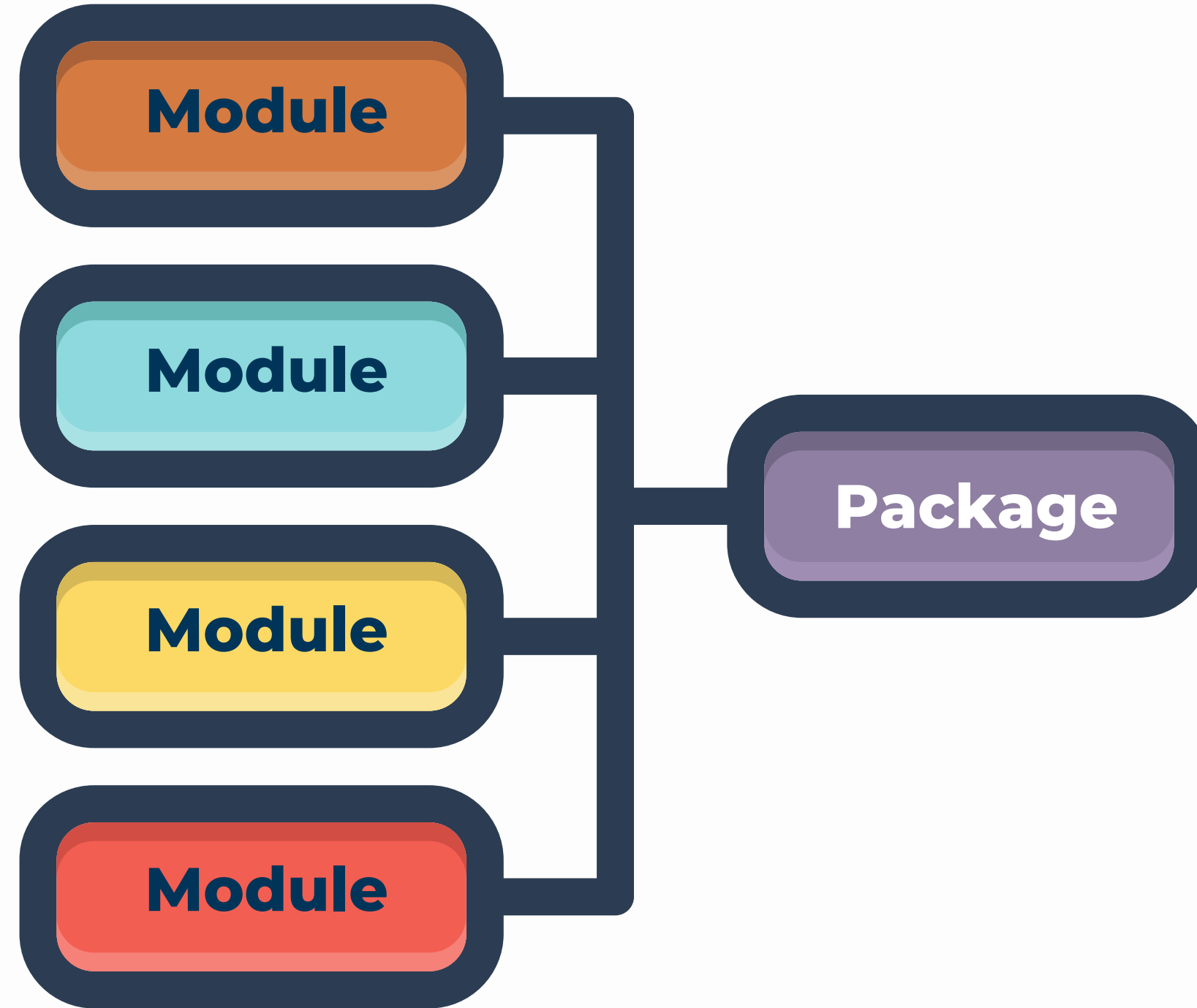
# MODULES, PACKAGES, LIBRARY



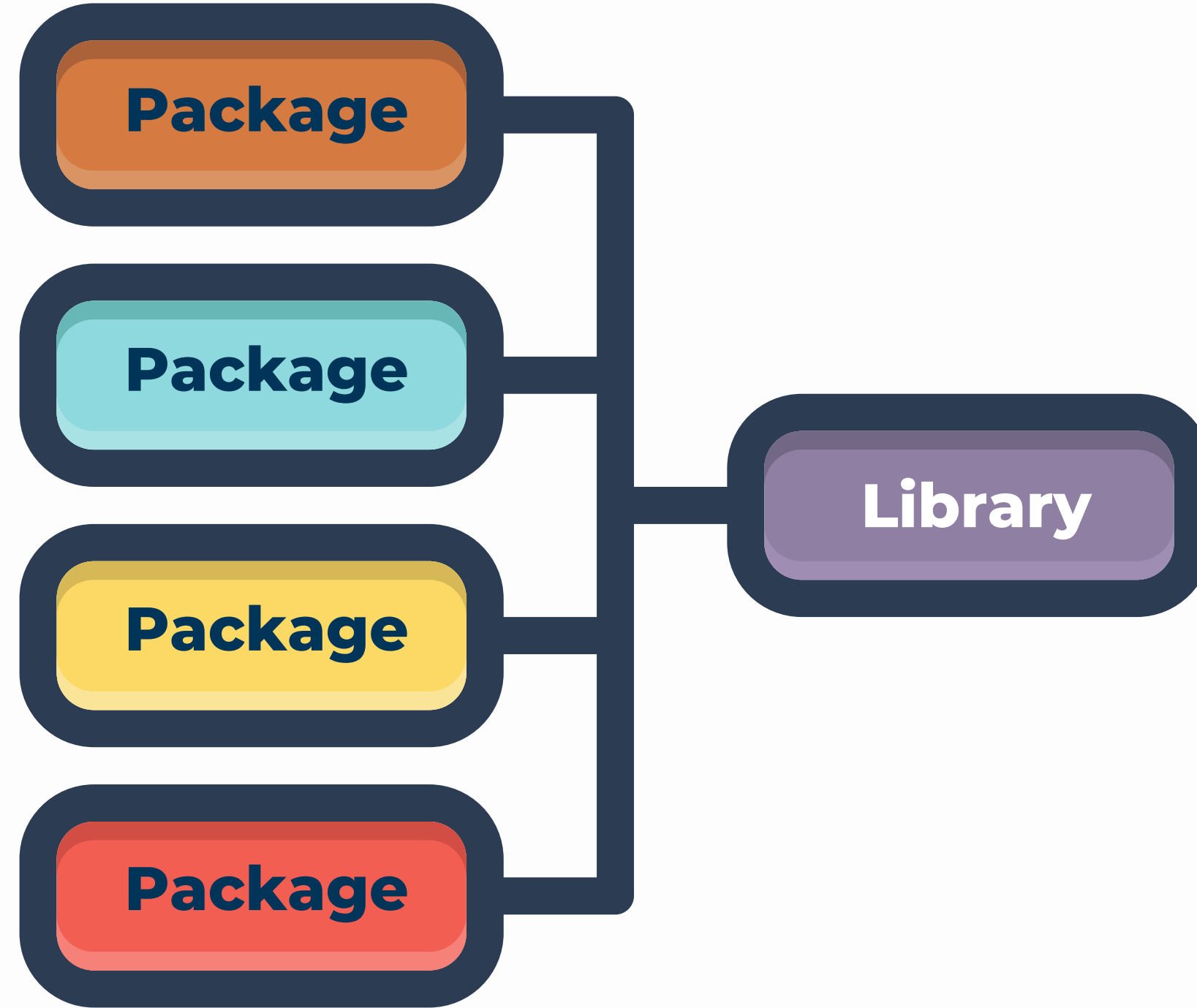
# MODULES



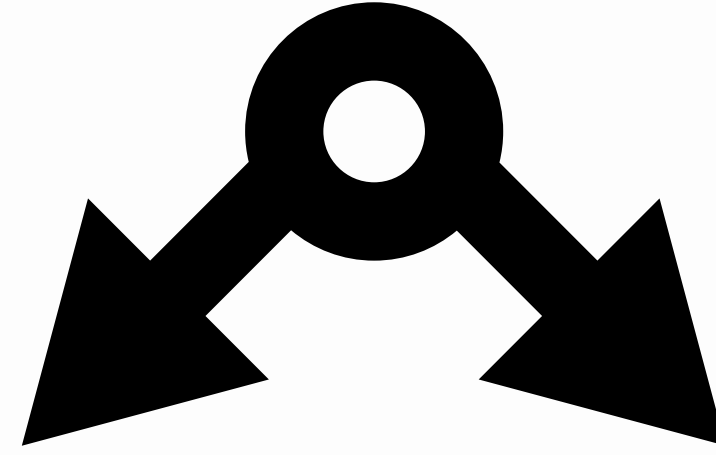
# PACKAGE



# LIBRARY



# MODULE



**Pre defined**

**User defined**

# PRE DEFINED MODULE



- These are in built modules available in python which can be imported and used
- example: os, random etc



# RANDOM



- Random is a built in module in python that you can use to make random numbers.



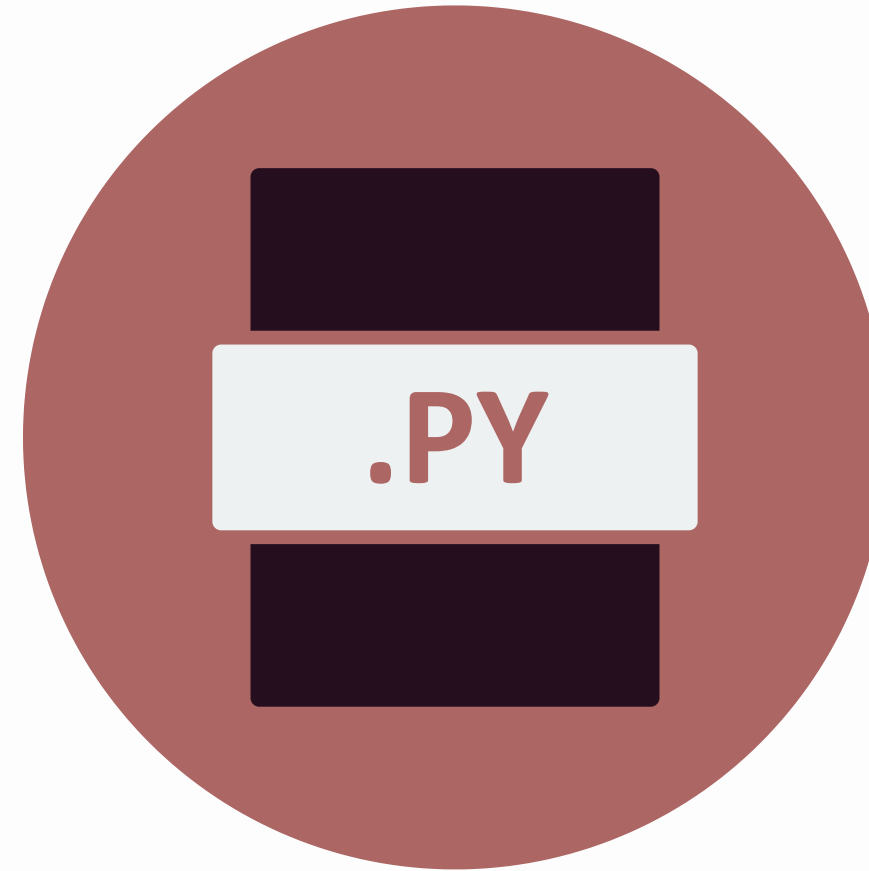
random

```
import random  
  
random.random()  
  
random.randint(start, end)  
  
random.choice(list)  
  
random.randrange(start, end, step)
```



# HOW TO CREATE A MODULE (USER DEFINED)

- To create a module , you have to save the file in .py extension



# HOW TO CREATE A PACKAGE



- To create a package, you have to create a new directory with all the necessary modules in it
- Also the folder should contain a file in the name "\_\_init\_\_.py" to make that folder as python package



# LIBRARY




- The Python Package Index (PyPI) is a repository of software for the Python programming language.
- PyPI helps you find and install software developed and shared by the Python community




# PIP





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# pandas 1.5.3

`pip install pandas`

✓[Latest version](#)

Released: Jan 19, 2023

Powerful data structures for data analysis, time series, and statistics

Navigation

Project description

```
pip install pandas
```

# CURRENCY CONVERTOR USING FOREX-PYTHON



- Forex Python is a Free Foreign exchange rates and currency conversion library



# DICE ROLLING SIMULATOR

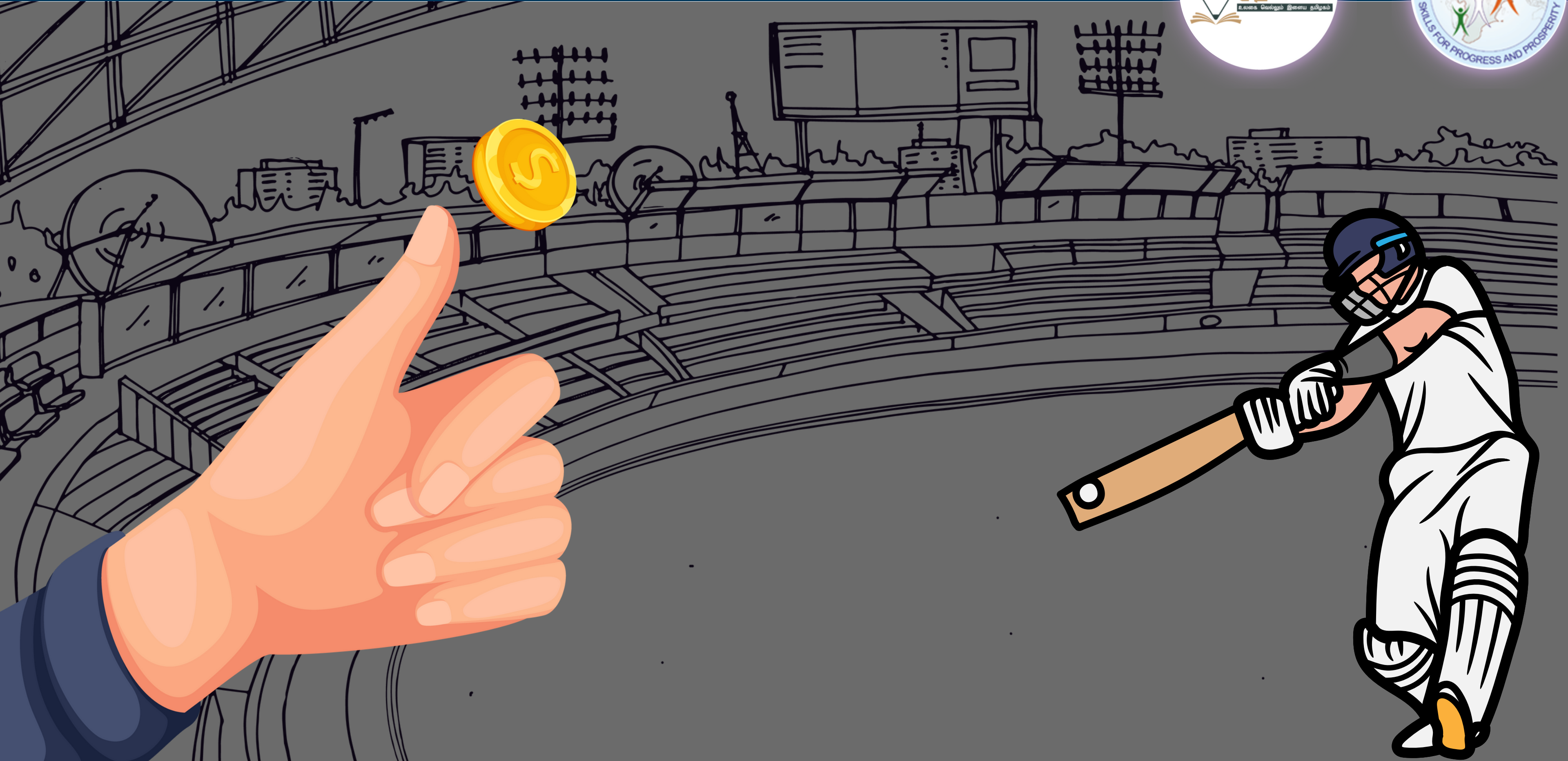


- Dice rolling simulator can be done with the help of random module

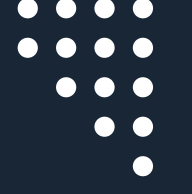




# TOSS SIMULATOR







# THANKS FOR WATCHING

