Modules:

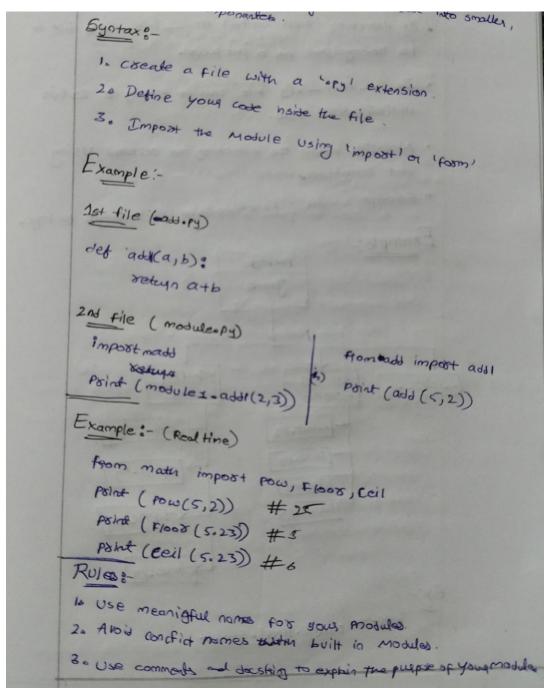
Python Module is a file that contains built-in functions, classes, **its** and variables. There are many **Python modules**, each with its specific work.

In this article, we will cover all about Python modules, such as How to create our own simple module, Import Python modules, From statements in Python, we can use the alias to rename the module, etc.

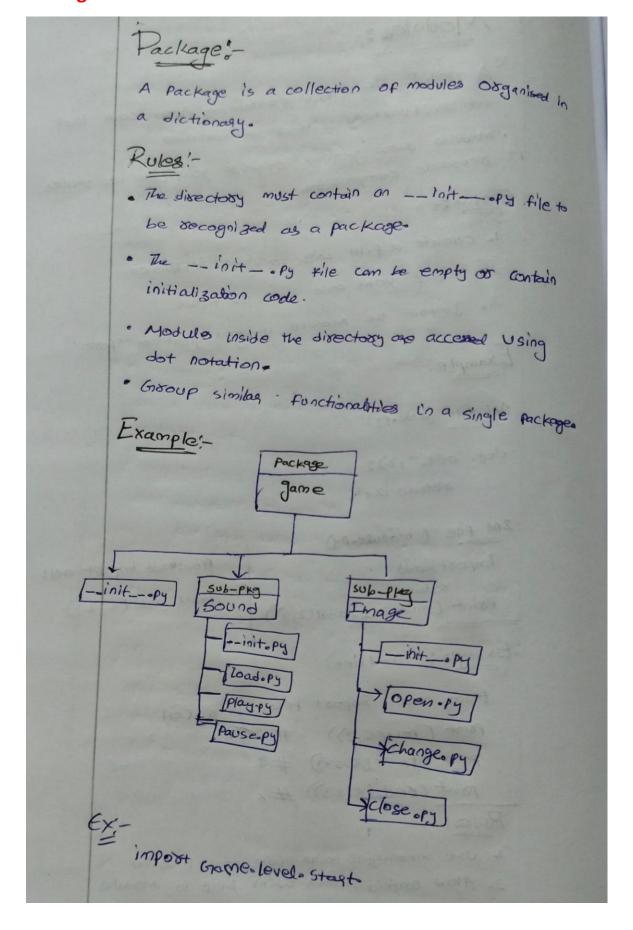
What is Python Module

A <u>Python</u> module is a file containing Python definitions and statements. A module can define functions, classes, and variables. A module can also include runnable code.

Grouping related code into a module makes the code easier to understand and use. It also makes the code logically organized.



Packages:



```
Example: - Stagtwith() method functionally
    5 = "Python is cool"
    Chas = "py"
    def start with (5, char):
        temp = " "
        for I in sange (len (than)):
             temp += 5[1]
        if temp == chaq:
            return True
        Ase:
            Setus False
   Point (Straut with (s, chaq)).
Special Symbols used for Passing arguments in
  · *aggs (Non · keyword Argument)
  · ** Kwaggs ( Kayword Aggumenta)
* argo :- it is used to pass a non-keyworded, variable-knyth
           againent list. ( to access multiple values)
Example:1:-
 def my Fun ( tagy ):
     too agg in aggv:
           Print (ag)
  my for ( Hello 1, Iwelocne 1, to , l Giffi).
O/P:-
     watcomo
     to
    67F6
```

```
Grample-2:-
   det my Fun (agg , *aggv):
          print ("15+ 499:" ) agg1)
          for agg in agg v:
              Point (agg)
  my fun ( 'Hello', "welcome 1, 1+01, 16, F67))
 O/P! - 15+ Asg! Heller
      welcome
      GFG
* * Kwaggs:-
  It is used to pass a keywooded, variable - length
 asgument list.
 Example-1:-
 det my Fun (** kwags):
      for key, value in kwaggs - Hema ():
          Posint (11%5 == %511. (Key, value))
 my fun (Fist = "Greek!, mid = "For!, last = 'heeks!)
0/1:
 fist == Geeks
 mid == foo
 last = = GIECKE.
```