## Modules

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A group of functions, variables and classes saved to a file, which is
nothing but module.
Every Python file (.py) acts as a module.
Eq: krishna.py
1) x=888
2)
3) def add(a,b):
4) print("The Sum:",a+b)
5)
6) def product(a,b):
7) print("The Product:",a*b)
krishna module contains one variable and 2 functions.
If we want to use members of module in our program then we should import
that module.
import modulename
We can access members by using module name.
modulename.variable
modulename.function()
test.py:
1) import krishna
2) print(krishna.x)
3) krishna.add(10,20)
4) krishna.product(10,20)
5)
6) Output
7) 888
8) The Sum: 30
   The Product: 200
Note:
whenever we are using a module in our program, for that module compiled
file will be
generated and stored in the hard disk permanently.
Renaming a module at the time of import (module aliasing):
import krishna as m
here krishna is original module name and m is alias name.
We can access members by using alias name m
test.py:
1) import krishna as m
2) print(m.x)
3) m.add(10,20)
4) m.product(10,20)
from ... import:
We can import particular members of module by using from ... import .
The main advantage of this is we can access members directly without using
module
name.
Eq:
from krishna import x,add
print(x)
```

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add(10,20)
product(10,20)==> NameError: name 'product' is not defined
We can import all members of a module as follows
from krishna import *
test.py:
1) from krishna import *
2) print(x)
3) add(10,20)
4) product(10,20)
Various possibilties of import:
import modulename
import module1, module2, module3
import module1 as m
import module1 as m1, module2 as m2, module3
from module import member
from module import member1, member2, memebr3
from module import memeber1 as \mathbf{x}
```

from module import \*