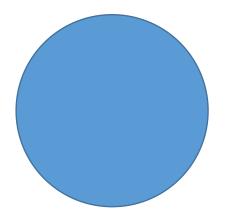
Module, Package and Standard Library





Radius = 1 cm



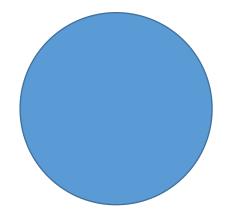
Radius = 3 cm





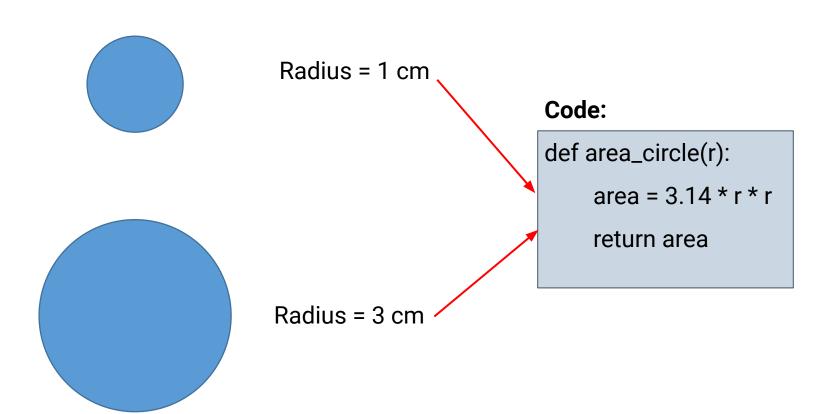
Radius = 1 cm



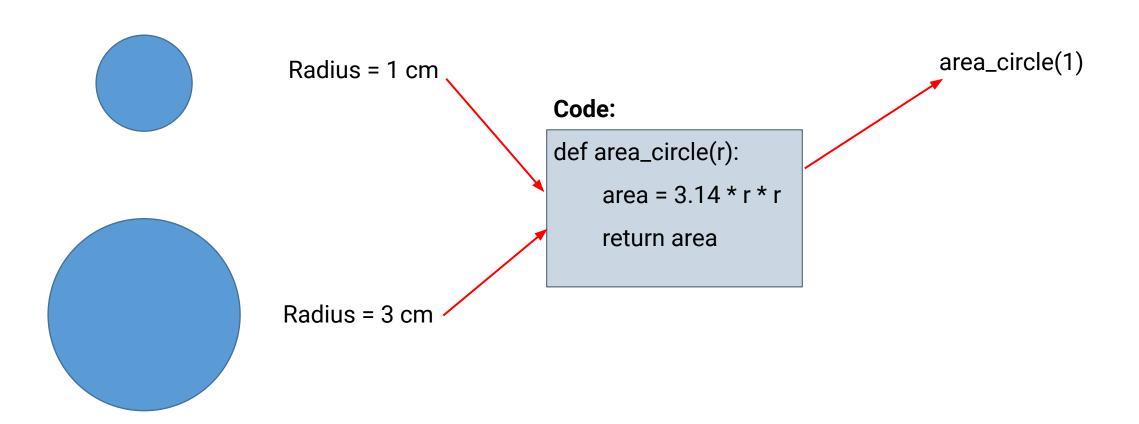


Radius = 3 cm

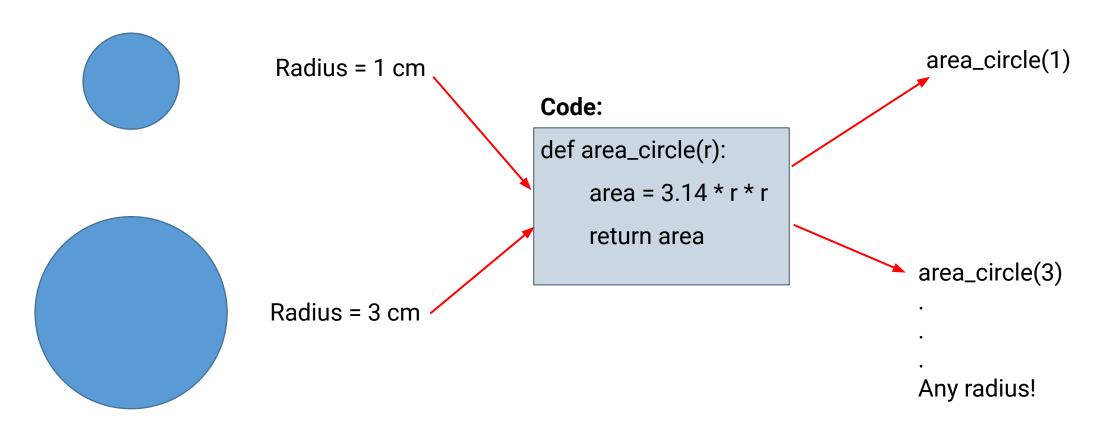














Functions can't be used outside the file!



Module

Arithmetic.py

def addition():
def subtraction():
def multiplication():
def division()

Logical.py

def and(): 	
def or(): 	
def not(): 	



Building a Module in Python



Package

Operator

Arithmetic.py

Logical.py

Comparison.py

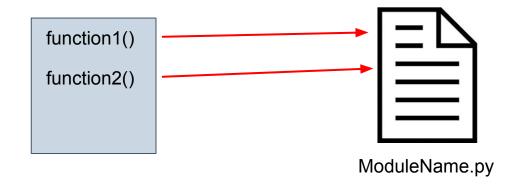




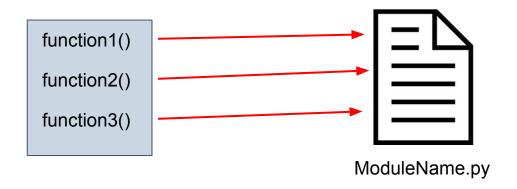




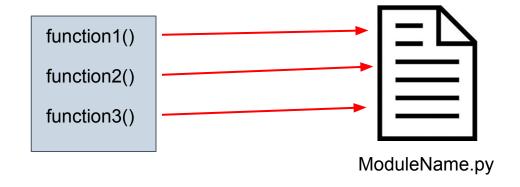






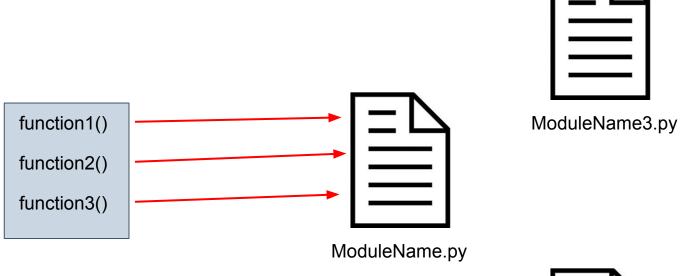






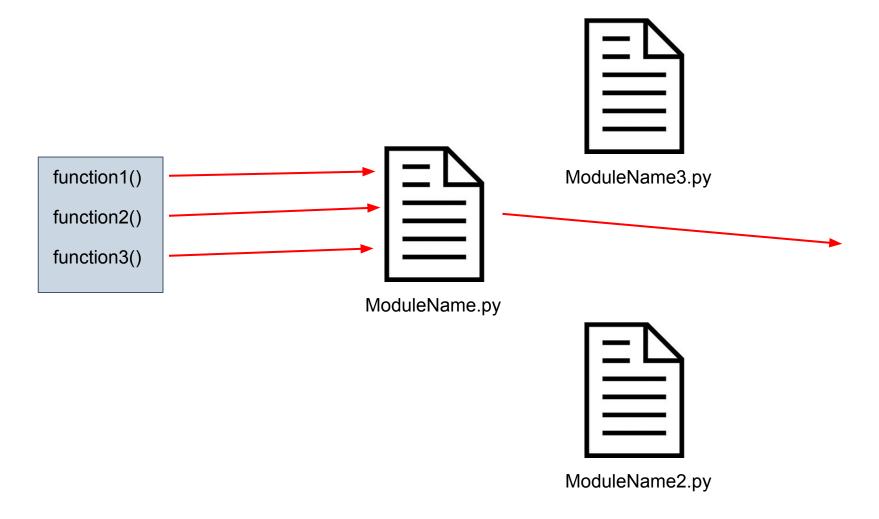




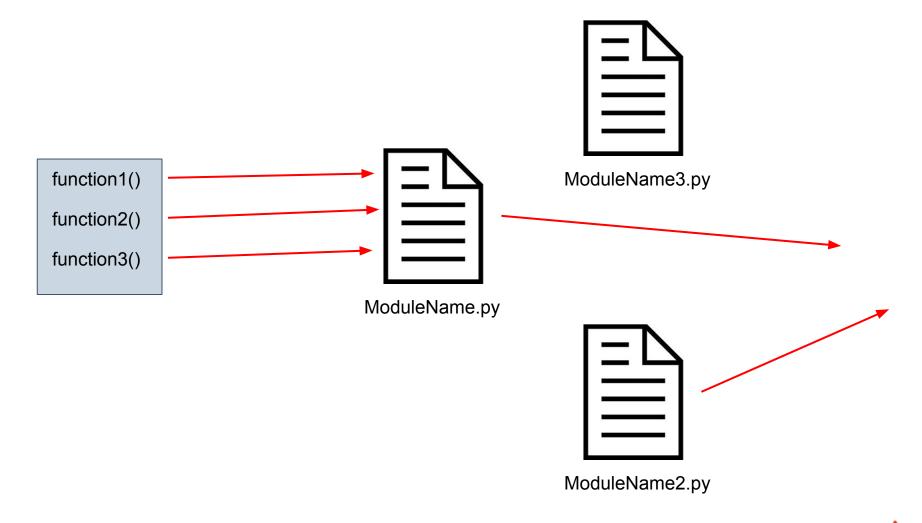


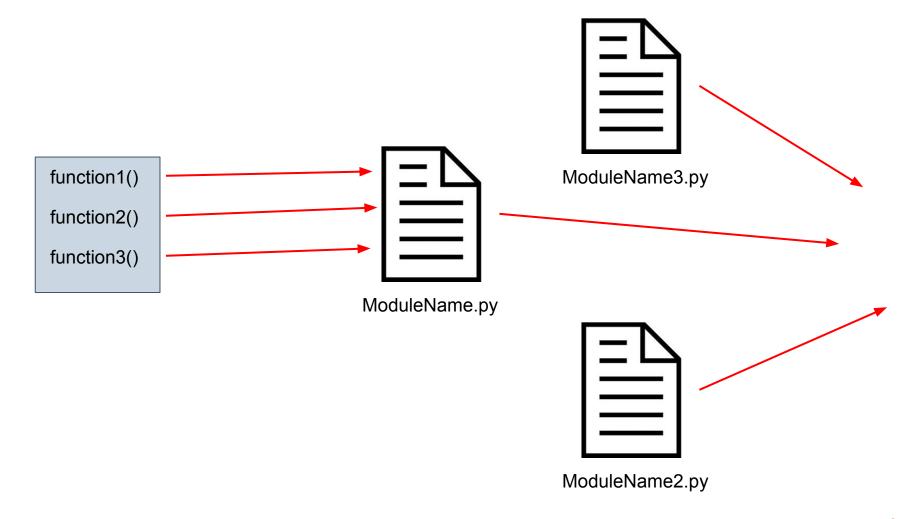


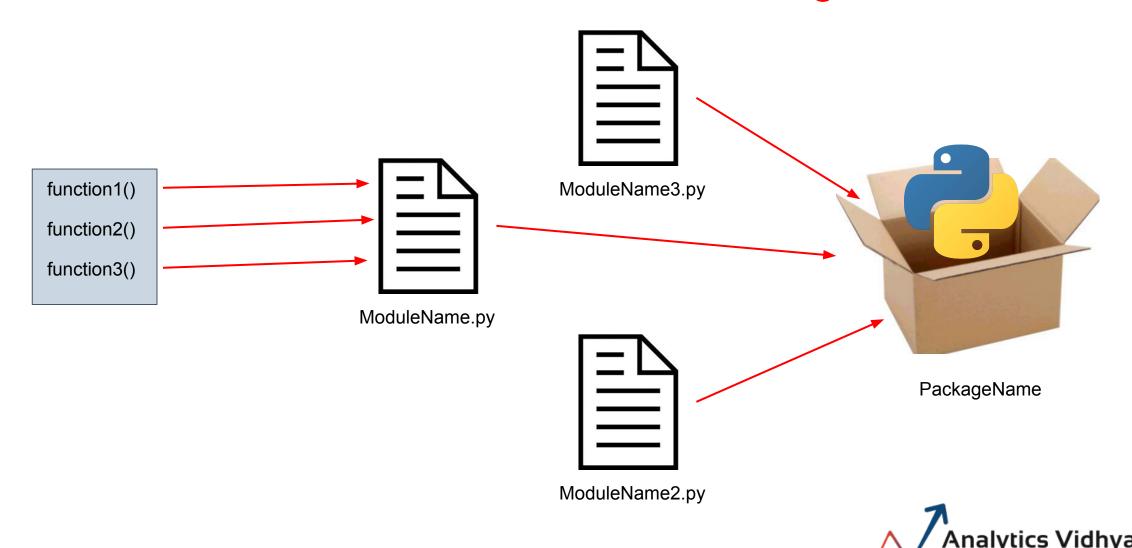












Types of Packages in Python





Python Standard Library

Built-in functions

print(), max(), min(), etc.

Useful Modules

os, re, datetime, math, etc.

Data types

int, float, bool, str, etc.

Built-in constants

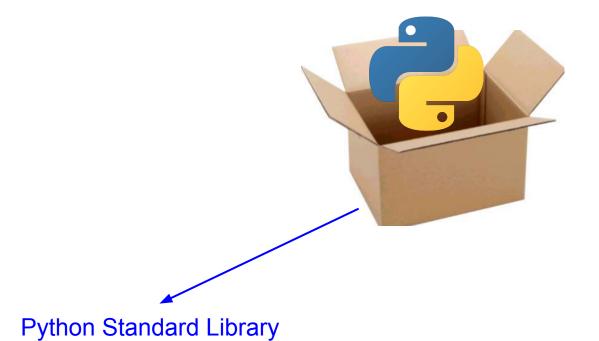
False, True, None, etc.

File formats

csv, excel, hdf5, etc.

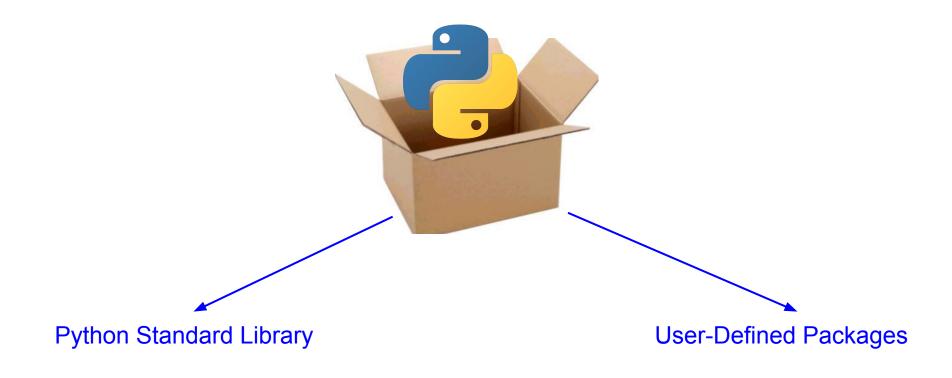


Types of Packages in Python





Types of Packages in Python





Package

Operator

Arithmetic.py

Logical.py

Comparison.py

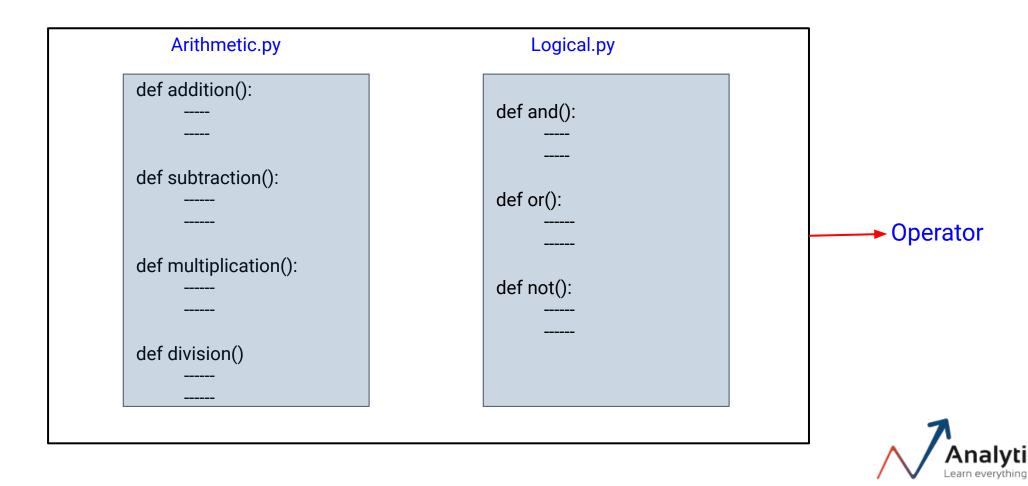


Package

Arithmetic.py	Logical.py	
def addition(): def subtraction(): def multiplication(): def division()	def and(): def or(): def not():	→ Operator
		Analytics Vidhya Learn everything about analytics

Importing a library (package) in Python

How do we import a function from a package? Eg - addition



Importing a library (package) in Python

How do we import a function? Eg - addition

from Operator import Arithmetic



Arithmetic.addition(3,5)



Importing a library (package) in Python

How do we import a function? Eg - addition

from Operator import Arithmetic

Arithmetic.addition(3,5)

from Operator. Arithmetic import addition



addition(3,5)



Building a Package in Python



Important Libraries for Data Science







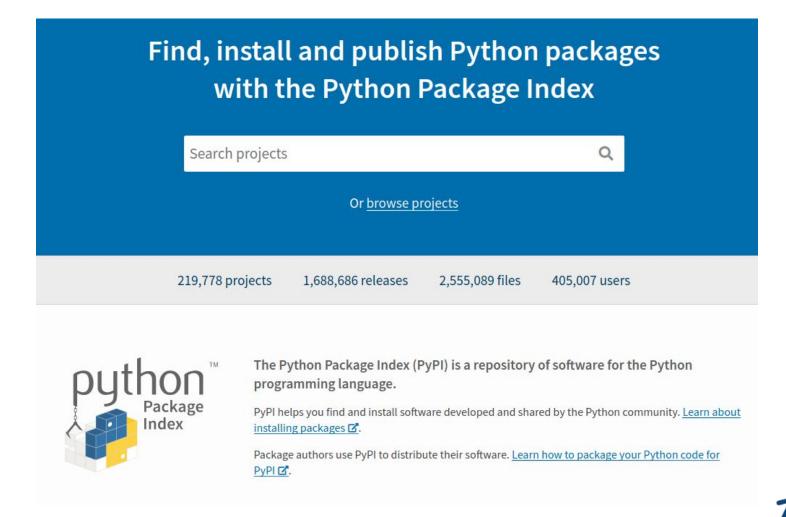


seaborn





Installing a library (package) in Python



Thank You

