Task 3:- Importing python modules and packages in python Aim: - To write python demonstrating importing python modules and you are tasked with developing a modules lar calculator you are vasted with the calculator should support basic application in python the calculator should support basic application operations: - addition, substration, mulplication and Define functions for addition, substraction, multiplication, and division. d Division by 2 ero by raising an error if the module containing these functionsdivision. Initialize function using my mathe function - name = (a, b).

Call each the results of all operations. 2) Handle 3) Import the Program:def add (a,b); return at b def substract (a,b) return a-6 def multiply (a,b): return (a*b) def divide (a,b) raise value erro ("Cannot divide by zero").

Output:-

Addition: -15

substraction: -5

multiplication: -50

Division: -250



a=\$10
b=\$5

print ("Additoin", my math, add (ab)

print ("substraction", my math. subtract (a,b))

print ("substraction", my math. multiply (a,b))

print ("multiplication:"my math. divide (a,h))

print ("Division:", my math. divide (a,h))

various mathematical operations and geometric area calculations. To various mathematical operations and geometric area calculations. To to organize your better, you decide to create a package ramed my package which includes sub packages pack I and pack 2 with my package which includes sub packages pack I and pack 2 with my package which includes sub packages pack I and pack 2 with they package which functions and are functions Demonstrate the two modules: math functions by performing a few calculations are of the use of the functions by performing a few calculations use of the use of the functions. you are working on a python project that requires you to perform and printing these results. Algorithm:

1) create math functions py module; 2) create area functions. Py module; 3) create -enft-py files in pack and

s) print the output as expected.

1) create the math functions by module defadd (a,b):

return atb def subtract (a,b):

return a-b

def multiply (a,b):

return (arb)

def divide (a,b):

return " error 1 Division by zero". 2) create the area functions py module import math

def ofrele-area (radius):

return math. por radius radius def rectangle - area élength, width).

return length width def triangle - area base, height);

return 0-5 + base + height.

Output :-

Addition: 15

substraction: 5

multiplication: 50

circle Area (radius = 7): 153. 9380400

Rectangle Area (5×10):50 Trangle Area (base = 6. height = 8): 2410

3) create -int-py in each package folder (pack 1 and pack 2) from - math functions import add ; substract multiply, divide from area functions import circle-area, rectangle-area, triangle -area. 4) create the main-py file from pack import area functions. from pack import area functions. print (" subtraction:", math functions, sub stract (10,5)) print ("Addition,", math functions. add (10,5) print ("Division!", math functions. divide (10,5)) ## using wien owiching (radius=7):", area functions circle-orea (7)

print ("circle Area (radius=7):") Print (" Rectangle Area (5x10): ", area functions. rectangle-area (7)) Print (a Triangle Area (base = 6. h eight = 8"). area funetions. triangle - area (6.81)

packages was success-fully executed and the output was verified.

Regult: thus, the program for emporting python modules and

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