Task3: Importing python modules and packages in the python programing.

Wire: To aim pythore demonstrating importing pythore modules and Ruckages.

a) You are tabled with developing a modular calculator application in python . The calculator should support basic authornatic operating addition, subtraction, multiply and division, additionally you should a create a main program to handle user input and to display the results.

Algorithme: ((d, a) bon story you no it sold trultiply

1. Define functions for addition, sub, multiply

and division: there story you no too lighten I to 19

- 2. Handle division by zero by raising an excon if the division is zero
- 3. input the module containing these func.
- 4. Initialize 2 rum bers
- 5. call each runebeer using my math.

 2 function name > (a, b)
 - 6. Print the result of all operations

"output or or borest and taring set ") to or at 1 mary quel # . (. 1) years 1 to 10 (i) tr (i) Addition: 15 Subtraction: 5 de la trada de la companya del companya de la companya del companya de la company Multiplication: 50 Division: 20 treata. west size you put from the work premeride of register elt trarios a use les gunctioning le find no of dicente ing the eff toring (1 restance est set as i) training tong 1.4 6 1.25 5 2 2 3 2 2 2 2 4 (1. (2. b) - to طاورا per inta. Farmer Trois & town. A Mario Mario Francis y restrongur and the form

def add (a,b): retwen atb def subtract (a, b): xetoore arb dof roultiply (a, b): dixia amendar return atb def divide (q.b): if b==0: raise value favor ("commet divide by zoro") retwen a/b import my math a = 10 b= 15 Print (" iddition: ", my math add (a, b)) Print ('subtraction: ", my math. Subtract (a, 6)) Print ['Multiplication:", my math, multiply (a, b)) Print ('Division: , my math , divide (a, b)) 1. You are working on a phyton project that requires you to perform vorious mathematical operations and geometric are of calculation. To organize your code and create a package. The use of functions by performing a calculation and printing the result.

some was the state of the same griffinger grifferteround b state q some of def add (a, b): og of sill bons selvibour morty retween a + b mob was but the on well def subtract (a, b): retwon a - bo def multiply (a,1): retwore at b def divide (a,b): raise value Error ("can rot divide by zero") retween a/binging seom allowed as services import my math a = 6 Print ("Addition: , my math add (a, b)) - and age Print ("subtraction", my meth subtract(a,b)) Print ("Multiplication:", my reath. multiply (a, 6)) Print ("Division: , my matte divide (a,b)) ars a margirillo with the rosesta 3. reput the west of a training the topological SKIA COST TO THE STREET STREET Morror year private word a war days land land

1000 feet Magarithma 1. create math function . py module. 2. Create are function, Py module rtaline 428 3. create - int - Py files in Pact, and The state of the s Pack 2: 4. Create main pg ! port & sond promise in 5. Print the output as expected. Program 1. Create the north function py, module def add (a,b); retwere a+b retwee atb deg subtract (a, b); retwen a-b retwon a-b del multiply (a, b): retwon al det divide (a, b); if b == 0: of b= return "Error! Division by zero". return "Error: Division by 2010. retwen, a/b retwork a/b. 2. create the area functions. Py module import math def circle - area (radius): return math. p; + radius + radius def rectangle - axea (length, width): retwer length & width

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elubor pq. nortament attor stor output Circle area (radius = 7): 163.93804002889985
Rectangle area (5x10): 50 Triangle area (base = 6, height = 8): 24.0 - botasque so togtos est toring

create the math forcetion. Pg. me de le diff and for the difference at b ildia) tearthue fib

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3. Create - init - py in each package folder (Pack and Packa) from mathfurction import add, subtract, multiply, divide from area function import circle area, rectangle-area, triangle 4. create the main Py gile from pack import math functions forom pack import area function # using math functions Print ("Wadition", math functions, add (10, 5)) print (Bubstraction; math furnation. subtract (10,5)) Print (Multiplication; math guretion . Multiply (0,51) Print (Division: , math function. Divide (0,9) # using area furction Print ("circle osea (radius: 7):, osea function. circle (7) Print ("Rectangle alea (5x10);" alea function, rectangle (510) Printl'triangle Area (base = 6, height = 8); deca functions triangle - area (6, 8)) Thus, the program for importing python modules and Packages was success fully expecuted and the output was resified. EX No.

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