Dim? To write python demonstrating importing bython modules and pullages and of it

a) You are tarked with developing a modular Calculation application in python the Calculator Should support being aith energy where mous: additions lubtraction i muliplication rand division. Each operation should be implemented in a Separate module. Additionally, you should create a main program. La hamble cese , lall the appropriate madele. and display the refults.

## Algorithm .-

- 1. Define functions for addition, subtraction. multiplication , and division.
- 2-Handle division byzen by raising an ensor.
- Atthe divisor iszero. (mport the module (mymath) containing

there functions.

4. Impalise 400 numbres (a=10, b=1)

5. Call each function wing my mouth.

2 Runction - name > (acto).

6. Pront the result of all operations.

Output. " Down Alabora Comment of the Comment of th Multiplication: 500 to totalogn. you are tarked with and allow booking see on the form of the mid with the started of described in some officer. Smoot happy blings the or worker from a work out out the work hope will collection maries for improved the the appropriate module and chilling re guells. 1. Delline foundation for additions subtract · HORNING BODD & GONDINGS NOW a tour in mount and the additional albance of abone of disminguism) what yet with with inderry N. Unividialization of the property of the second of the s dispulled and marriage described I further . warm of land KARAGO 11, 1

bodean: det add (9,6): return arb det subtraction): & between a-b det multiply (a,b): · return a 46 det divide (916) if b==0: raise value error (l'cannot divide by Dew") return alb import mymath.

> 0=10 b=5

Print ("Addition:", my math-add (a16))

Print ("Jub trackoon: "Trmy math. Jubtract-lack))

print ("Multipliation:", my math. multiply by

print ("Nultipliation:", my math. divide (a16))

You are working one python project that requires you to perform various mathema. Ital operations and geometric alea. Catallations. To organize your code bother you decide to create a package named. In pulsage which includes sub-naukage partire and part 2 with two modules a mathfunction and area functions of performing a few Calculations and printing the results

Algorithm.

- 1. Create math Runchons. py module:
- 2. Create aventuremons-py. module:
- 3. Create init-py lites in puet 1 and parts:

u-create main-py:

5. Mins the output as onperted.

Program:

1. Create the mouth functions-py module det add (a1b):
return a+ b
det · subtract (a1b):

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Algorithm.

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- 3. Create—init—py lites in puet 1 and pants U-create main-py;
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Program:

1. Create the mouthfunctions-py module det add (a1b):
return a+ b
det · subtract(a1b):

return a-6 1 1277 8200 det multiphy (a1b): in bleachase from det divide(aib): ifb==0: Pre and Dilator return Memor L Divilion by Dew! 2) treate the aca functions by module intende treat (poottom. trad miles) 200 det. Circle-alea (radius): return math. pi & radius & radius. del redangle - alea · Clength, width): retur length & width det trangle - alea (bak iherghy: return Os+ base & height.

- 3) Create \_ Init: py in each parchage folder travel and parks from mathemations import add. [Jubtack, multiply, divide from. area Punction import circle area, tectengle area, 1 trangle area.
- u) create the main-py hite. . from park import weaturchors

output? Subtrachoper : (dio) starit Jah Nultipli Cation 200 Division +2-0 1 Fano 11 money Circle Area (raching = 1): 43%. 938040020000 Relangte Area Ctx10) (50 Triangle Area (base 6, hergrand)=200 : ( 200 lest ) solo - 5/2/2 - 19/6. Luciony is whose in it whom acords delle vectory). Dec - isforodoor was dibigux Alphahamar, "Harran's study and straint Low Melan of a par a perday. your top almost yet - sport single Madrifford meet ledon faviolen Course of the same of the same

from pack import. alea functions. # Using math lunctions. Print (" Addition: ", math Lunemons add (10,11) Print ("Subtraction!", mathebunchons-Subtract (1015)) Print (" Mariphilamon!, math Lunchon-multiply Print (" pivision:", math kuneton. divide (1015) # Using area Kunchons. I wint ("Circle Area tradius = 7) ="1, cuea functions Circle - alea (7) Print l'Rectangle Area (TXIO): "alea Lunctobrs. rectangle Lalea (5,10) Print ("Triangle Area (base=8, height=8):" alea function. Friangle - cuea (6,8) EL TECH - CSE PERFORMANCE (5) RESULT AND ANALYSIS (3)

Result. Thus the program for traporting

Tython modules and parloages was

Successfully exerced and the output

was verified.