Task 3: importing Tython modules and packages. in theyou beolegusused. Aim: To waite Python demonstrating importing Python. modules and packages. a. you are tasked with developing a modular calculator. application in Python. the calculator should support basic another the operations: Addetion, subtraction, moltiplication division. each operation should be implemented ina separate module. Additionally you should exade a. main Program to landle user input I call the appropriate module, and display the results. Abosithm: 1. Define functions for addition, subtraction, multiplining 2. Handle division by zeroby raising an error of the 3. Inpost the module (my north) containing these functions. 4. instealize two numbers (a=101 b=5). 5. call each foretron using reymoth, cfunction_name>(a) 6. Print the results of all operations. Bodean detf odd (a,b): return a+b. det subtract (a,b): retorn a-p. def moltiply los seturnats. det divide (a1b): raise value error ("cornot divide by 2000"). return alb. impost syreath. a=10 b=5.

Daterallo Task 3: imposting Tython maduks and packages. in tathon beodermented. Aim: To waite Tython demonstrating importing Althon modules and packages. a. you are tasked with developing a modular calculator. application in python. the calculator should suppost basic anotherette operations: Addition, subtraction, multiplication and division. each operation should be implemented ina Separate module. Additionally you should exade a. moin program to landle user input I call the appropriate module , and display the results. 1. Define functions for addition, subtraction, moltiplishing 2. Hardle division by zeroby raising an croop of the 3. Impost the module (my math) containing these functions 4. instralize two numbers (a=101 b=5). 5. call each function using reymoth, counting name> (a) 6. Print the results of all operations. Dealean.

deff odd (a,b): return a+b. det subtract (a 16): retorn a-b. def moltiply (only)

seturnatb:

det divide (aib):

raise value error ("cornot divide by 2000").

retorn alb. impost regreath.

a=10 b=5.

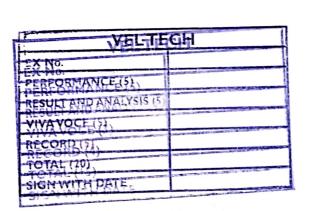
of the estation norther pritaging . E. 420 Lynn wood and worth Addition: 15 andtyly stisms of subtraction: 5. sold moltiplication: So. Div 380n:2.0 of tologet troi dolar visto of thomas yet notizina billioner. ms (Hoogens) stuburn with 4 80781 in it is) desident out sittlesting on donner prese without done ? 2717 30 70 100 in 2 Mass 844 1789 · (who show that : (din) toother and

Print ("Add Phan:", myrath.odd (a.b)).

Print ("subtraction:", myrath.subtract (a.b)).

Print ("Division:", myrath. multiply (a,b))

Print ("Division:", myrath. divide (a.b)).



ond bockages was successfully executed and the output

Besult: for the beaseam for importing byther model

b) you are working on a python project that require you to berform nowing wathe wathout desations and deone for one calculations. so ordanise han cogo patter non governe to charge a backage voused unterkade or pupilly unlays Sub package Pack I and Pack 2 with two modules: mathematicals and one furctions demanstrate theory. of the functions by pestosming a few calculations. and Printing the results.

Aim: To write Python demonstrating inporting Tythor medules and tockages.

Algorithm

1: create nathfurthers . py module:

2. create ascopultions. At module.

3. execute - init - py files in rack 1 and rock 2:

y. create main. PY:

S. Print the output one expected.

Diogram :-

1. create the mathtunctions. PY module. det add (ab):

return atb.

def subtract (a15)

returna-b.

def moltiply corb):

return atb

det divide (a1b):

bt P== 0:

retorn "frox! Dirigion byzeso"

returnalb.

2. create the arcoforchous. PY module.

impost math.

det circle -area (radia): return math. Pi * radius* radius.

det rectarge - area (length, welth).

return length width.

def triangle - area (bose sheight):

return o. 5 * base height

3. Create -init - . Py in each Fackage.

folder (POCK 1 and POCK 2.)

from mort functions Propost add

of 10. Out put: nort 1 river revitor o no pril trons and ingla Addition: 15 moly on it will be of the body of the bod . Sud in DEBlow 12.0 vollow from two explorabilitions Circle Ara (radios=7): 153.938,0400258988 pectangle Area (sixo): soit patrixa rojangle Area (base = 6, height = 8) 0240. mitropla · s'abon Mg. Existentiton et esso. · stocker by . 2M Handons stooms ... a visate - This I year in 19th La - Him - Stores . E before son tugtoo set trisa. Sluton IT 200H metators out story (do) the Ant dre gretsy ((dio) +2081de2 7=1 , documentar : (dies then and top de arrest : (die) to wife tob ion set not Buten 1xaxxxx and the down to a os Chair. Var Desta Carl

subtract 1 moltiply, divide from , assolventions intoxt effecte - area, rectargle - area, totangle -asea u. escate the main ipy file. from pack Pomport mathfunctions. from pack impost onexfortions. # using math foretions. Print ("Addition:" mathforetions add (1015). Print of Lond Hiplication: Print ("Subtraction:") math functions, subtract (1015)) Print ("moltipleation;") mathforetrons moltidy. (1015)). reathfunctions. Livide (1015)). It using area furtions. print ("Circle Area (radius=7):") ascaforetions. (RC/e-asea (7)). Print ("Rectargle Area (5x10);") onea functions sectorale -asea (5110). Print ("Trangle Area (base=6, height=8)! orea functions. tolongle -orea (618)) VAEPLECCH RESIMANCE (5) Result: - Thus the programme modules and packages light successfully executed and theoutput was vosited.