20/8/25 Lask-3: Impaying and creating bython modules and Rackages in Puthon Program. b,w; To implement and demonstrate importing built in mode les creating user defined modules and organizing code into Packages in Pulhon reusability modularity. 1. Perform Common moth and random operations. is work with oberating existen and read the Rython version bloouppw: situations so modules: moth, random, os statistics. compute sort (s) radians (30) a random float into.0.0.10 a random [5.6] 12.66! (5.3) Floor (5.8) Factorial (5). \$ 05 85XE: so create c: 1 Rython lab if not Present and Print the > List all files I directories in new current directory. I Print Python interpreter version. h. statistics: on lists: [2.4.8.10] and [523358364529] compale .s frind neathy formatted results.

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3.5 create a Rython Package named cardrack containing a module cord fun that imports the random module algorithm: Stop 1: Stort. step 2: To create a Rackage card Rack. steps: to create random function. stella: Assign a cords range. sters: call a module function. stepe: Display the random sample cards: furture Brogram: 21:11311.669 card fun 3: Not knocktus moborer tropami 02 - montpolitition got knuch: .012 : 0012 WIG Carges EJ for i'm ronge (183). colds arrend (i) shuffled-oards = random. sample (cords K=52) Print (w/w/wishuffled-cards//w/w) whoog.br imbat condrum. cong transfauci)

You are tasked with developing a modular calculato application in Albon. The calculator should support basic arithmetic orevations: addition, subtraction. al gorithm: "Define functions for addition subtraction multiplicat 2. Handle division by sero by raising an error if the 3. Initialize two numbers (0=10,b=5) e, call each function using mymath. function name 2005 s. Print the results of all operations. 96 t agg (0/P); return ath get enphact (ap): g-b uniter got walterly (0°9): return a\*x got girige (0P): if p=0; raise value Error ("cannot divide by zero") utoutum trofiu, 01:10

h. C

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*\$*,¢ You are working on a Prithon Project that requires You to Perform various mathematical operations and geometric grea calculations ejdorypw r " create most functions. Py module: 2. create area functions. Py module: 3 create main.py: is frint the outful as expedied. Brodrow: ... create the mathfunctions. At module. got agg (orp); return atb got enphase (orp): redum a.b. got wallibly (0.p): return axb det quige copi

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2. create the areafunctions. Py module. offen tropmi def cincle - area (radius): return math. Pit radius & ra dius. got recyonals - area (penath might). refurn length & width. def triangle-area (base, beight): Height \$ 9200 arufal 3. create the main. Py file. imfort math functions. import area functions # using math functions Print ("Subtraction", math functions subtract (100) Print ("multiplication" math functions multiply (10,5)) Print ("Division," math functions, divide (10,53) # using area functions Print ("circle grea(radius=3):" area functions circle.
area (3) Phot ("Bedongle Area (5x10): ) area functions rectangle Rind ("Triangle mea (base-& heightes); area functions

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