Task-1: Running Python script and various expression in an interactive interpreter key terms covered Introduction to Python, commands, script. 1.1 Karan spent ₹150 on books, ₹220 on groceries, and 790 on transport. Help him calculate the total expenses. now say mon toget to 190ts the Aim: To write a python program that calculates the total amount spent by karan on books. Aborithm: (can beginn ) topical sind 1. Stoot the Program.
2. Accept the amount spent on books, groceries, and tousful a. accept the amount spent by summing all three amount.
3. calculate the total amount spent.
4. Display the total amount spent. 5. End the Program of Existent of Edgish Ruse restro tiftes esperie your Rody man index (BMI) is: 22.86. Result: Thus, the Python Program that calculates the total amount is successfully executed.

Yack . 5 Andrew Some Adivas they princes Python Program: shi noni uniders survivor # Program to calculate total expenses of ka van. # step 1: Assign expenses there showed by 80 11 books = 150 per rated process boo gritogene groceries = 220 monter monter special bio transport = 90 # step 2: calculate total total - expense = books + groceries + transport. # step 3: Display the sesulting anthonois Print ("Total expenses incurred by kanan: 7" total expense) Sample input: " Hassnes evoitsmost Pais stifu 10/10 (values are already assigned in the Program - no manual input required) de bro enteres noutil transfort Books = ₹ 150 Groceries = 720 malare lo too survivor somalant 15/9 Transport = ₹90. Sample output ingoes and exception transfers Total expenses in award by Kanan: \$460. use matplotlib medule for Plothing use stepping module for underline. Simulate gaming concept wing 14 jourse

lask-1: Running Python soriet and various expre in an interestive interpreter new terms co Introduction to Python, commands script Python Program: 2400 00 00 trops norch 14 # BMI calculatoreles mid 9/9H trogorest no ope box # step1: Get input from the user weight = float ("Enter your weight in kilograms:")) height = float (input (input (inter your height in meters: ")) # step 2: calculate 8mi trogerost boro wicesoop bmi z weight ( theight x = 2) Hester 3 Display result morpor of troops of the step 3 in Display result many index (8m in index) found (6m1,2))

Point ("Your body many index (8m index), yound (1924) sample in Put: traps true total out statustos : Enter your weight in Kilograms: 70 out big of big a enter your height in meters: 1.75. Park of out big a sample output? your Body man index (BMI) is: 22.86. Realt Thus, the Python grogram that calculates the total amount is succendedly executed. 1.2 write a BMI calculator. Ask the user for weight (kg) and height (m), then calculate and display their BMI Aim: To write a python Program that calculates and displays the Body man index (BMI) of a Person wing their weight (in kilograms) and height (in meters) of stape. calculate semi-germeter. Agorithm: 1. stort the Program. a. Prompt the user too imput their weight in kilogram. 3. Prompt the user to input, their height in meters 4. calculate BMI using the formula: BM 1 = well to beight at the same atom thing 5. Display the calculated BMI 6. End so the program as sould tip tio of grows The over of the friends is : 11.62 square.

A

Result: The Python Program that calculates BMI is successfully executed.

Python Program: delustes and the state of import math Am To write a puttened prison of the calculate the steplays the sody man inder (smi) of a super the sody the kilogramy) and height (in a sed) # step 2: calculato Semi-Perimeter. step 3: Apply Heron's formular row of tymorg area = math. sert (s\* (s-a) \* (s-b) \* (s-c)) enea = math. seed (see 1) and prize 1 mg distributions of print ("The area of the friangle is is an yound (area, 2), "sawre on")

Sample in put: 1 mg hatelustes out golgen a (values one abready assigned) side a = 8 cmside 6 = 6 cm side c = 4 cm sample out Put: The area of the triangle is: 11.62 squam. south the Python Program that calculates BMI is somewhy entered :

1.3 laya wants to calculate the onea of scalene to angle with sides of length 8cm, 6cm, and 4cm. telp her write a Python program that computes the area using Hexor's formula.

Aim: To write a Python Program to find the onea of a briangle when the lengths of all those sides one given, using Herony formula.

Algorithm:

1. Start the Program.

2. Accept or assign the lengths of the three sides: a, b, and c.

3. calculate the semi-Perimeter,

4. use Hexon's formula to calculate the onea:

Area = Js(s-a) (s-b) (s-c)

5. Display the area of the driangle.

6. End the Program.

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Result: Thus, the Program was successfully executed and the over was calculated and displayed.