Task no: - 1

Pate: 5/08/25

Runnia Python Script and Various expressions in an interactive interpeter key terms covered introduction to python, commands, scripe

11. Kairon Spent 7150 on books, 7200 on oceries, and 790 or groceries, and £90 on mansport Helphim calculate the total expenses in a 131811.

Aim: To write a python program that calculate the total amount spent by karan on books gnoceries, and hanspore. Algorithmia) capul seon pood voor") saira

Stort the program

Accept the amount spent on books, groceries stransport.

calculate the toral expensis by summing all three amounts, DISPIAY the total amount spent

End the program.

RESULT: Thus, total amount spent by karanon books, grocomperand troingport are proved.

## Python program:

# program to calculate total expenses of karron

#Step 1: As sign expenses

books = 150

groceries - 220

Esanspore = 90

#Stepa: calculate total

total - expense = books + groceries + transport

#Step3: Display theresult

print ("Total expenses in curred by Karan: 7"

total - expense

Sample Input:

Books = 7 150

Groceries = = 220

Transpore = 790

sample output:

Total expenses incurred by karon: \$ 460

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Subsbord :-
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#BMI calculator

Ronald Pathon Scales of #Step 1 - Get input from the user

weight = Float (input ("enter your weight in kilograms:"))

height = Float (input ("enter gour height in 0 00 books, 2,330 on mill alon examples of metero")) of soon

#Step 2 = calculator BMI bmi = weight/(height \*\*2)10 Sikk or program that calculate

Print C'I'm print ("your Body mass index (BMI) is:")

merrorg and (bmi, 2))

end the program.

L-100 Jeni

Sample input:

Enter your weight in kilograms: 700000

enter your height in meters : 1.45

Sample out puti- sound 110 paimonue

your Body mass Index (BMI) & : 22.86.

PERCHENTHOS, TOTAL CHARGINE SHERE BY KAYON ON

books, graconcer, and bourgoos as asse

12 write a BMI calculator. ASK the USEY For kieight (kg) and beight (m), then calculate and display their BMI entend spie meren it asset

Alm: TO kirice a python program that calcula and displays the body mass index (BMI) OF a person using their weight and heighter semi-revimetery angish Q = (10+0+0) = D

## Algorithm:

- # Step 3 : Apply Heron's 192
- a) prompt the user to input their weight in
  - 3) prompt the user to input their height in meters a suproint sets to p
  - 4) Calculate BMI Using the Formula:

BMI = WEIGHT helghe2

- s) display the conculated BMI
- 6) end the program.

RESUlt: - Thus, the prody mall index of 9 person autosing their weight (kg) & height (m) and provey

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Python program:-
               12 VINCE OF BATE CONCERNO
        MEISTER (18) and height (m), then c
import math
                    and obein ent
#Step 1: Assign side lengths
AIM: TO WHITE a Python program that 8=1010
 b=6
tes and displays the sody mass index
 C= H
#Step 2: alcolate Seni-perimeter deish
 a = (a+b+c)/2
                               - and Bropla
#Step 3 : Apply Heron's Formula
 area = math - 39rt (s * (s -a) * (s -a) * (s -a) * (s -a)
# SEEPH: DISPLAY YESUIT OF SON SOM SOM (S
Print ("The orea or the triangle 15: " round
          (orea, 2), "square (m")
sample input:-
                       BMI = WEIGHE
                       heighter
side on = 8 cm
 side b= 6 cmpoholion and poseid is
 side c= 4 cm
                  mo the program:
Sample outputituded sto, cont mossis
      are a of the miangle is: 11.62.9904
                               MOVOYS
```

13 Laya Wants to calculate the area of a Scalene triangle with sides of length 8 cm, 6 cm and 4 cm.

Alm: TO Write a python program to find the grea or a mignale when the lengths or all the three sides are given, using Heron's Formula.

## Algorithm:

istare the program

a) accept or assaign the lengths of the lengths of the three sides albando

3) Calculate the semi-perimeter

41 Use Heron's formula to collecte the The Grade is D area:

Area = VS(S-a) (S-b) (S-C) L TECH - CSE

5) DISPLAY the area or the market and analysis (3) 3 VIVA VOCE (3) RECORD (4)

61 End the pregnam

RESULT: Thus, the area of triangle when the

chang thor auther the scarce are proved 04 HOTONE Cherom Formula.