Task: 1. Running python script and various expressions in an interactive interperpreter key Terms Covered: Introduction to Python, Commands, Script. Tags - Easy, 1.1 Karan Spent 7150 on books, 7220 on groceries, and 790 on transport. Help him calculate the total

floor (input ('takes your weak to wint) Aim: To write a python program that calculates the total amount spent by Karan on books, groceries, and transport. Complying (height + 190)

Algorithm:

1. Start the program. 2. Accept the amount spent on books, grocevies, and transport.

3. Calculate the total expenses by Dumming all three amounts of compression vitypism way or

4. Display the amount spent por more of

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5. End the program.

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Rosult: How the python Program to find that to Calcular this is succenfully input & output

Python Program:

Program to calculate total expenses of Karan

Step 1: Assign expenses

books = 150

groceries = 220

transport = 90

step 2: calculate total

total-expense = books + groceries + transport

#steps: Display the result.

Print ("Total expenses in curred by karan: 7", total expenses

Sample Input

(values are already amaigned in the program -no manual input Books = 7150

Groceries = 7220

Transport = 790

Sample output.

Total expenses incurred by Karan: \$160

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 mans Index (BMI) of a Person wing their weight (in Kilograms) and height (in meters).

Algorithm:

- 1. Start the program that calculates
 - 2. Prompt the user to input their weight in killingram.
 - 3. Prompt the user to input their neight in meters.
 - 4. Calculate BMI using formula.

me (com) BM To Weight 1st po son who I soing

- 5. Display the Calculated BMI.
- 6. End the pagram. : tugot algumed

(volves as already assigned)

side as sem

sample output:

The course of the triang le is allites square en.

Result Heru, the python that Calculate to display
is called succenfully input output

Toskid. Running python script andvorious extressions in an interactive interpreter imargory nonly as # BMT calculator. abnormos mother of noisouboxtal # Step 1: Get input from the user tragenors no ape boo weight = float (input ('Enter your weight in xilogram: ")) height: float (input ("Enter your height in meterus"))
Step 2: Calculate Britis bm : = weight/(height * #2) Algorithm: # Step3: Display result 1 start the program Print (" your Body How Index (BMI) is": round (bmi, 2) and transport 3. Colculate the total expanses by a colculate the total of Enter your weight in kilograms: 40 Enter your hight in meters: 1.75 volger A End the program, Yours Sample output: VEL TECH CSE Your Body Man Index is: 22.76 King: Here to by 1600 broken Color the is surferfully one to outer

Python Program! Import math # Step 1: Assign side lengths b= 60 deind bracempropolid ni) topises rindt price # step 2: Calculate semi-painetes B= (a+b+c)/2 at tugge of rewards tomos? # steps: Apply Heron's formula area = math. sqrt (5 * (5-a) * (5-b) * (5-c)) # step4: Display result. Print ("The ales of the triargle is: "round (area, 2), "square, 5. resplay the calculated Bris sample Input: 6 End the pagina. (values are already assigned) side a = scm Side b = 6cm side c=hem sample output: The onea of the triang le is : 11.62 square cm. POWING HOU, + E CHAND HOS COUNTAR to display

is called soccompily input control

1.2 with a BMI catculator. Box office s.l.

.3 Laya wants to calculate the area of scalene triangle with sides of lengths 8cm, 6cm, and 4cm. Help her write a python program that computes the area using Heron's formula.

sea bio port properly file Aim: To corite a python program to find the area of a triangle when the lengths of all three sides are given, using Heron's formula.

Algorithm:

1. Start the program. 2. Accept or assign the lengths of the thouse sides:

a,b, and c.

3. calculate the semi-perimeter:

4. use Heron's formula to calculate the area:

Area /3(5-a)(5-b)(5-c)

5. Display the area of the triangle.

6. End the program.

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RECORD (5)	
TOTAL (20)	-
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Result: How the Rythorprogram to find the area of a triangle is successfully implemented nutert so sules enfully implemented output & as input.