

Task-1.1

Date :- 6/8/25

AIM :- To write a Python program that calculates the total amount spent by Kanan on books, groceries, and transport.

ALGORITHM :-

1. Start the program.
2. Accept the amount spent on books, groceries, and transport.
3. Calculate the total expenses by summing all three amounts.
4. Display the total amount spent.
5. End the program.

VELTECH - CSE	
EX.NO.	
PERFORMANCE (5)	
RESULT AND ANALYSIS (3)	
VIVA VOCE (3)	
RECORD (3)	
TOTAL (15)	
SIGNATURE DATE	

RESULT :- Python Program that calculates total amount spent by Kanan on items has been executed.

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

* Step 3: Display the result

Print ("Total expenses incurred by Karan : ₹", total_expense)

SAMPLE INPUT :-


Books = ₹ 150

Groceries = ₹ 220

Transport = ₹ 90

SAMPLE OUTPUT :-

Total expenses incurred by Karan: ₹ 460



Task → 1.2

Date → 6/8/20

AIM :- To write a Python program that calculates and displays the Body Mass Index (BMI) of a person using their weight (in kilograms) and height (in meters).

ALGORITHM :-

1. Start the program.
2. Prompt the user to input their weight in kilograms.
3. prompt the user to input their height in meters.
4. Calculate BMI using the formula.

$$BMI = \frac{\text{weight}}{\text{height}^2}$$

5. Display the calculated BMI.
6. End the program.

VEL TECH - CSE	
EX NO.	
PERFORMANCE (5)	
RESULT AND ANALYSIS (3)	
VIVA VOCE (3)	
RECORD (4)	
TOTAL (15)	
IGN WITH DATE	

RESULT :- Python program that calculated and displays the BMI has been executed.

Python Programming

BMI Calculator

Step 1: Get input from the user

weight = float(input("Enter your weight in kilograms:"))

height = float(input("Enter your height in meters:"))

Step 2: Calculate BMI

bmi = weight / (height ** 2)

Step 3: Display result

print("Your Body mass Index (BMI) is:", round(bmi, 2))

Sample Input :-

- Enter your weight in kilograms: 70
- Enter your height in meters: 1.75

Sample Output :-

Your Body mass Index (BMI) is : 22.86

Program 5

```
import math
```

```
a = 8
```

```
b = 6
```

```
c = 4
```

$$s = (a+b+c)/2$$

$$area = \text{math.sqrt}(s * (s-a) * (s-b) * (s-c))$$

```
Print (area)
```

Input : ~~8 6 4~~

Side a = 8

Side b = 6

Side c = 4

Output :

Area of triangle : 11.62

Task-01.3
Date: 6/2/25

AIM :- To write python program to find the area of a triangle when the length of all three sides are given, using Heron's formula.

ALGORITHM :-

1. Start the program
2. Accept or assign the length of the three sides: a, b and c
3. Calculate the semi-perimeter
$$s = \frac{a+b+c}{2}$$
4. Use heron's formula to calculate the area
$$Area = \sqrt{s(s-a)(s-b)(s-c)}$$
5. Display area
6. End program

EL TECH - CS32	
S. NO.	1
PERFORMANCE (5)	5
RESULT AND ANALYSIS (3)	3
VIVA VOCE (3)	3
RECORD (4)	4
TOTAL (15)	15
DATE WITH DATE	6/2

RESULT :- Python program to find area of triangle using heron's formula has been executed.