

## **Day 3**

### **Lab Assignments**

1. WAP to perform the addition of two integers and display the result. Input must be given by user.  
**Input:** Enter two numbers: 5 10  
**Output:** Sum of the two numbers = 15
2. WAP to find centigrade for a given Fahrenheit temperature  
**Input:** Enter the temperature in Centigrade: 30  
**Output:** The given temperature in Fahrenheit: 86
3. WAP to calculate area of a circle while taking radius as user input.  
**Input:** Enter the radius of the circle: 11  
**Output:** The area is: 380.12
4. WAP to calculate area of a triangle by reading base and height from the user.  
**Input:** Enter the height and base of the triangle: 12 10  
**Output:** The area of the triangle is: 60.
5. Write a C program to swap of two integers using a third variable.  
**Input:**  
Enter the first number: 10  
Enter the second number: 20  
**Output:**  
Before swapping: number 1 = 10, number 2 = 20  
After swapping: number 1 = 20, number 2 = 10

### **Home Assignments**

1. WAP to convert temperature from centigrade to Fahrenheit scale  
**Input:** Enter the temperature in Fahrenheit: 86  
**Output:** The given temperature in Centigrade: 30
2. Write a C program to swap two integers without using third variable.  
**Input:**  
Enter the first number: 100  
Enter the second number: 200  
**Output:**  
Before swapping: number 1 = 100, number 2 = 200  
After swapping: number 1 = 200, number 2 = 100
3. WAP to find the average mark of 5 subjects of a student and find the percentage. Assume full mark of each subject is 200. All the input must be given by user.  
**Input:** Enter the marks in five subjects: 160 170 165 180 185  
**Output:** The average mark is 172.  
Percentage is 86%
4. WAP to convert given paisa into its equivalent rupee and paisa.  
**Input:** Enter the amount in paisa: 550  
**Output:** Entered amount = 5 Rupees and 50 paisa
5. WAP to calculate area of a triangle whose three sides are given.  
**Input:** Enter three sides of a triangle: 5 9 6  
**Output:** Area of the triangle: 14.142