

<p>1. Write a C program to enter two numbers (num1, num2) and swap the numbers.</p>	<p><b>Input</b> Enter first number= 10 Enter second number= 5</p> <p><b>Output</b> After swapping first number= 5 After swapping second number= 10</p>
<p>2. Write a C program to enter four numbers (num1, num2, num3, num4) and swap the numbers in reverse order.</p>	<p><b>Input</b> Enter the num1= 10 Enter the num2= 20 Enter the num3= 30 Enter the num4= 40</p> <p><b>Output</b> After swapping num1= 40 After swapping num2= 30 After swapping num3= 20 After swapping num4= 10</p>
<p>3. Write a C program to enter velocity and mass. Find the kinetic energy rounded up to three decimal places.</p> <p>NB: Use double type numbers and ignore m/s and kg while taking inputs but show them in output as shown</p>	<p><b>Input</b> Velocity = 5 Mass = 10</p> <p><b>Output</b> Kinetic Energy = 25 kg m<sup>2</sup>/s<sup>2</sup></p>
<p>4. Write a C program to enter the speed of a car and time taken to reach its' destination. Now find the distance rounded up to two decimal places.</p> <p>NB: inputs can be floating point numbers and ignore m and s while taking inputs but show them in output as shown.</p>	<p><b>Input</b> Enter speed = 13 Enter time(minutes) = 1 Enter time(Seconds) = 20</p> <p><b>Output</b> Distance = 1040 m</p>
<p>5. Write a C program to take three inputs as height and two base. Find the area of trapezoid rounded up to four decimal points.</p> <p>NB: Output can be floating point numbers.</p>	<p><b>Input</b> Enter height = 10 Enter base1 = 4 Enter base2 = 7</p> <p><b>Output</b> Area of the trapezoid = 55 cm</p>

<p>6. Write a C program to find the gradient slope of a straight line. Two inputs for X-axis and two inputs for Y-axis.</p> <p>NB: Inputs can be floating point numbers.</p>	<p><b>Input</b>  First number, x1 = 10  Second number, y1 = 13  Third number, x2 = 12  Forth number, y2 = 17</p> <p><b>Output</b>  Gradient slope of straight line, M = 2</p>
<p>7. Write a C program to enter four inputs as year, month, week and day. Convert them into hours.</p>	<p><b>Input</b>  Enter year: 1  Enter month: 4  Enter week: 2  Enter day: 11</p> <p><b>Output</b>  Total hour is 12240</p>

8. Write a C program to enter two integer number num1, num2 where num1>num2 and apply division. Show the output as follow: (sample)

**Input**

Enter num1: 9

Enter num2: 3

**Output**

3 point 0

**Input**

Enter num1: 19

Enter num2: 2

**Output**

9 point 5

**Input**

Enter num1: 56

Enter num2: 9

**Output**

6 point 2

NB: Not 6.2 but 6 point 2. The number 6, the word 'point' and the number 2 should be printed individually.