

Lab 1 Programs

1. Write a C program to perform all arithmetic operations.
2. Write a C program to find the area of a square.
3. Write a C program to find the area of a circle.
4. Write a program to calculate percentage of a student given the marks of 5 different subjects.
5. Write a program to swap two numbers
6. Write a C Program to Swap Two Numbers Without Using Third Variable.
7. Write a C Program to multiply two floating point numbers and printing the output both in Int and Floating-point representations.
8. Write a C Program to Convert Kilometer to Meter Centimeter and Millimeter.
9. Write a C Program to find Square Root of a Number.
10. Write a C Program to find cube of a number.
11. Write a program to calculate simple and compound interest.
12. Write a program to convert days into years.
13. Write C program to evaluate each of the following equations.

(i) $V = u + at.$

(ii) $S = ut + \frac{1}{2}at^2$

(iii) $T = \frac{2 \cdot a + \sqrt{b + 9c}}{a}$

(iv) $H = \sqrt{b^2 + p^2}$

14. Write a C Program to find Mechanical Energy of a particle using $E = mgh + \frac{1}{2}mv^2$.

m -> mass

g -> gravity

h -> height

v -> velocity