

Lab#1 Tasks:

1. Write a program that asks the user for the number of males and the number of females registered in a class. The program should display the percentage of males and females in the class.
2. A cashier has currency notes of denominations 10, 50 and 100. If the amount to be withdrawn is input through the keyboard in hundreds, find the total number of currency notes of each denomination the cashier will have to give to the withdrawer.
3. A cookie recipe calls for the following ingredients:
 - 1.5 cups of sugar
 - 1 cup of butter
 - 2.75 cups of flourThe recipe produces 48 cookies with this amount of the ingredients. Write a program that asks the user how many cookies he or she wants to make, and then displays the number of cups of each ingredient needed for the specified number of cookies.
4. Write a program to check whether a given number is even or odd.
5. Write a program to determine eligibility for admission to a professional course based on the following criteria:
Eligibility Criteria : Marks in Maths ≥ 65 and Marks in Phy ≥ 55 and Marks in Chem ≥ 50 and Total in all three subject ≥ 190 or Total in Maths and Physics ≥ 140 -----
Input the marks obtained in Physics :65 Input the marks obtained in Chemistry :51 Input the marks obtained in Mathematics :72 Total marks of Maths, Physics and Chemistry : 188 Total marks of Maths and Physics : 137 The candidate is not eligible.
Expected Output :The candidate is not eligible for admission.
6. Write a program to check whether a triangle is Equilateral, Isosceles or Scalene.
7. Write a program to display the multiplication table for a given integer.
8. Write a program to display the reverse of a number.
9. Write a program to check whether the number entered by user is a palindrome or not.
10. Write a program to check whether a given number is a 'Perfect' number or not.
11. Write a program to check whether a given number is an Armstrong number or not.
12. Write a program to display the first n terms of the Fibonacci series.
13. Write a program to find the HCF (Highest Common Factor) of two numbers.
14. Write a program in C to find the LCM of any two numbers.
15. Write a C program to check whether a number is a Strong Number or not.