

Practice Problems

Introduction

1. Program to print your name.
2. Program to input an integer, float and a character and display them.

Input/ Output

1. Program to input a number and display it.
2. Program to add two numbers and print the sum.
3. Program to divide/multiply/subtract two numbers and print the result.
4. Program to find the area of a rectangle and display the result.
5. Program to find the area of a square and display the result.
6. Program to find the area of a triangle and display the result.
7. Program to find the perimeter of a rectangle/square/triangle and display the result.
8. Program to find the temperature (Fahrenheit to Celsius) display the result.
9. Program to find the meter from centimeter and display the result.
10. Program to find the days, months and weeks form year.

Condition (IF-ELSE)

1. Write a program to check a number whether positive or negative.
2. Write a program to check a number whether even or odd.
3. Write a program to check a number is divisible by both 11 and 9 or not.
4. Write a program to check the largest number between two numbers
5. Write a program to check the largest number among three numbers
6. Write a program to check whether a character is a vowel or consonant
7. Write a program to check whether a character is alphabet number or any other symbol.
8. Write a program to check whether a triangle is equilateral, bilateral or isosceles
9. Write a program to check whether a triangle is valid or not. ($a+b>c$)
10. Write a program to check whether a year is leap year or not.

Control Statements-Loop (For, While, Do-While)

1. Write a c program to print all natural numbers up to 20.
2. Write a c program to print all odd and even numbers from 5 to 20.
3. Write a c program to print all alphabets from a to z/z to a.
4. Write a c program to print all alphabets with 2 letters interval
5. Write a c program to print sum of all natural numbers 1 to 20.
6. Write a c program to print sum of the square of all natural numbers 1 to 10.
7. Solve the series and print the result ($1^3 + 2^3 + 3^3 + \dots + 10^3$)
8. Write a c program to print a multiplication table.
9. Write a c program to print the digit counts of a number.
10. Write a c program to print the first and last digit of a number
11. Write a c program to print the sum of the digits
12. Write a c program to print the digits of a number
13. Write a c program to print the reverse order of the digits of a number
14. Write a c program to check a number is palindrome or not.
15. Write a c program to find the factorial of a number
16. Write a c program to find the power of number
17. Write a c program to check a number either prime or not
18. Write a c program to print all the factors of a number.

Sample Questions:

1. Write a program to print a pyramid using nested loops. A sample is given below:

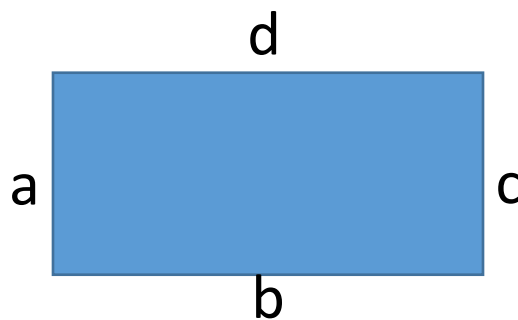
a. *****

**
*

b. *****

**
*
*

2. Take **4 sides** of a **Quadrangular** (a, b, c, d) and make a decision whether it is a **Rectangle** or a **Square**. Otherwise print : **Quadrangular**



3. Amit Chowdhury, one of our friends, and his **Birth Day** is coming soon, so you will have to prepare yourself for the party. You will be given his **Birth Date** and a **current date** as input in the following format: **dd/mm/yy**. Calculate **how many days** you got to be **ready for the party**. For simplicity, **Month = 30 days**