



```
void main
{
    int no;
    clrscr();
    cout<<"Hello";
}
```

# C++ Programs

## Simple Programs

### C++ Programs

- C++ - Even and Odd
- C++ - Swap two numbers
- C++ - Prime Number
- C++ - Factorial of Number
- C++ - Table of any Number
- C++ - Reverse of Number
- C++ - Find Number Of Digits
- C++ - Fibonacci Series
- C++ - Check Armstrong Number
- C++ - Find Greatest Number
- C++ - Palindrome Number
- C++ - Palindrome String
- C++ - HCF or GCD of Two Numbers
- C++ - LCM of Two Numbers
- C++ - Square Root of Number
- C++ - Cube Root of Number
- C++ - Ascii Value of Number
- C++ - Calculate Sum Of Digits
- C++ - Power of a Number
- C++ - BuzzFizz Program
- C++ - Conversion of Numbers
- C++ - Operator Overloading

## Formula Based Programs

- Code - Leap Year
- C++ - Celsius to Fahrenheit
- C++ - Fahrenheit to Celsius
- C++ - Fahrenheit to Celsius
- C++ - % Student Marks
- C++ - Calculate Student Grade
- C++ - Simple Interest
- C++ - Compound Interest
- C++ - Check no is +ve or -ve

## Print number Pattern in C++

TRUE VALUE  
HASSLE-FREE  
DOCUMENTATION


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## C++ Program to Print number Pattern

In C++ language you can any number Pattern. Here i will show you how to print all number Pattern in C++ language with explanation.

### C++ Program to Print number Pattern

```
#include<iostream.h>
#include<conio.h>
```

```
void main()
{
    int i,j, k=1;
    clrscr();
    for(i=1;i<=5;i++)
    {
        for(j=1;j<=i;j++)
        {
            cout<<k;
            k++;
        }
        cout<<"\n";
    }
    getch();
}
```

### Output

```
1
23
456
78910
```

### C++ Program to Print number Pattern

```
#include<iostream.h>
#include<conio.h>

void main()
{
    int i, j;
    for(i=1;i<=5;i++)
    {
        for(j=1;j<=i;j++)
        {
            cout<<i;
        }
        cout<<"\n";
    }
    getch();
}
```

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## String Based Programs

- C++ - Find length of String
- C++ - Compare Two Strings
- C++ - Reverse of String
- C++ - Count Freq. of Char
- C++ - Combined Two String
- C++ - Copy String
- C++ - Count Vowels in String

## Array Based Programs

- C++ - Sort Array Element
- C++ - Addition of Two Matrix
- C++ - Pass Array In Function
- C++ - Merge Any Array
- C++ - Insert Element in Array
- C++ - Delete Array Element
- C++ - Even-Odd Array Element
- C++ - Reverse Array Elements
- C++ - Rev Array Elm Using Fun
- C++ - Sum of Array Elements
- C++ - Duplicate Array Element

## Print Any Patterns

- C++ - Triangle of Star
- C++ - Print Number Pattern
- C++ - Print Alphabet Pattern
- C++ - Print Number Series
- C++ - Diamond of Star
- C++ - Pascal Triangle

## Programming Tools

Dos Box

## Output

```

1
2 2
3 3 3
4 4 4 4
5 5 5 5 5

```

## Example

```

#include<iostream.h>
#include<conio.h>

void main()
{
    int i,j,k;
    k=1;
    for(i=1;i<=5;i+=2)
    {
        for(j=5;j>=1;j--)
        {
            if(j>i)
                cout<<" ";
            else
                cout<<k++;
        }
        cout<<"\n";
    }
    getch();
}

```

## Output

```

      1
     2 3 4
    5 6 7 8 9

```

[Print Star Pattern in C++](#)
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