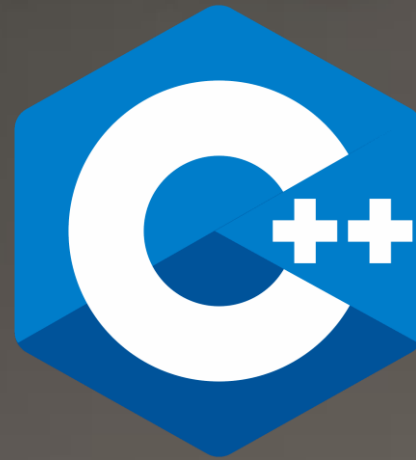


# C++ - LAB



## C++ Assignments

1) Create a C++ program that asks the user for their favorite number between 1 and 100. Then read this number from the console. Suppose the user enters number 24 you want to display the following to the console.

Amazing.

That's my favorite number too.

```
Enter your favorite number between 1 and 100: 15  
Amazing!! That's my favorite number too!  
No really!! 15 is my favorite number!
```



2) Create a C++ program to Reverse an Integer

```
Enter an integer: 123456  
Reversed Number = 654321
```



### 3) Access Array Elements Using Pointer

```
Enter elements: 1 2 3 5 6
You entered:
1
2
3
5
6
```



#### 4) Display Largest Element of an array

```
Enter total number of elements(1 to 100): 4  
  
Enter Number 1 : 55  
Enter Number 2 : 22  
Enter Number 3 : 33  
Enter Number 4 : 99  
Largest element = 99
```



## 5) Calculate Average of Numbers Using Arrays

```
Enter the numbers of data: 3  
1. Enter number: 1  
2. Enter number: 5  
3. Enter number: 6  
Average = 4
```



6) Write a program and input two integers in main and pass them to default constructor of the class. Show the result of the addition of two numbers.

```
Enter first number : 11  
Enter second number : 23  
numbers initialized  
The addition result on:34
```



7) Perform addition operation on complex data using class and object. The program should ask for real and imaginary part of two complex numbers, and display the real and imaginary parts of their sum.

```
first number
Enter the real part:22
Enterthe imaginary part:33
second number
Enter the real part:12
Enterthe imaginary part:35
the sum of the real parts is 34
the sum of the imaginary parts is 45
```

