

September 4,  
2015

# Launchpad

## Lecture - 4

Programming  
Fundamentals - 3

Ankush Singla

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Any doubts?



# Range of Data Types

# Time to talk about Functions?

So function definition looks like:

```
returntype function-name(parameters if any) {  
    declarations;  
    statements;  
}
```

Lets move some of our  
previous code to functions



# Why do we need functions?

# Scope of Variables Revisited?



# Call By Value?

# Time for Arrays!

# Arrays

- How to declare arrays?
- How are arrays stored in memory?
- How to access, update etc?

# Lets write some code

- Take array Input from the user
- Print the array
- Find the largest number in the Array

# Your Turn

- Print an array in reverse order
- Find sum of all the numbers in the array

# Sizeof

# Passing Arrays as function parameters

# Selection Sort



# Bubble Sort?

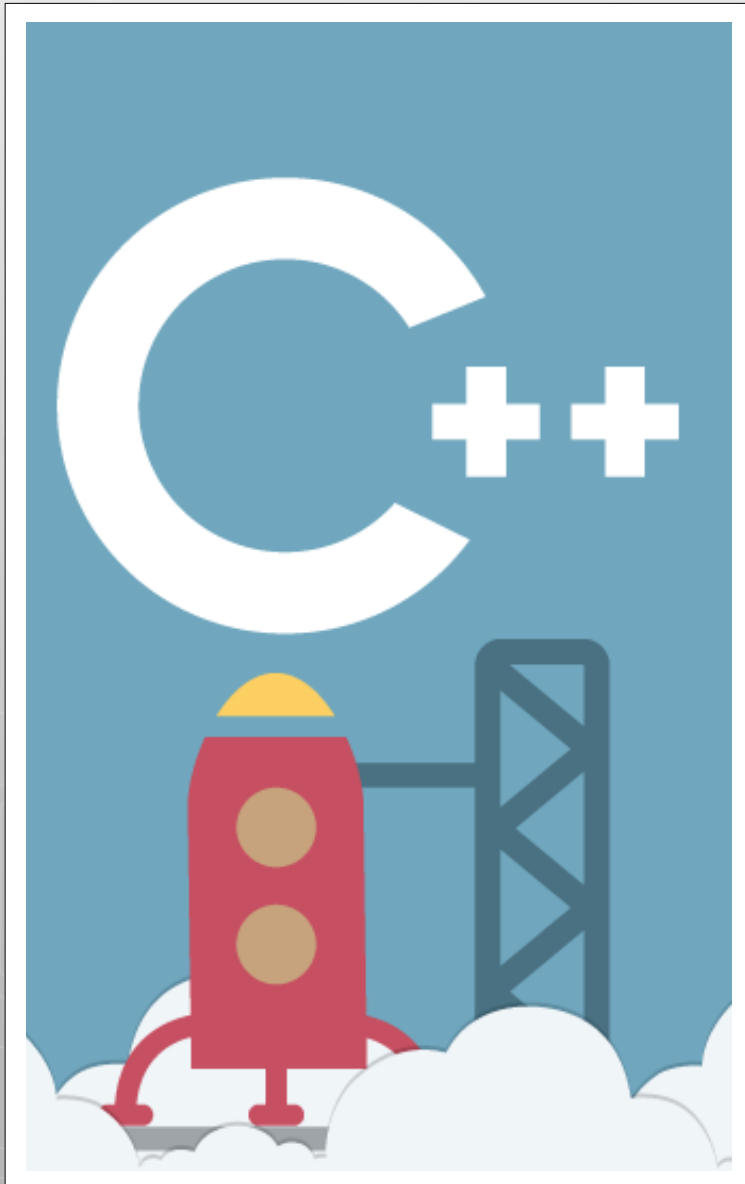
# Binary Search

# Other language constructs

- For
- do while
- switch case
- Tertiary operator ( ? : )

# What is next class about?

- Arrays contd..



# Thank You!

Ankush Singla

[ankush@codingblocks.com](mailto:ankush@codingblocks.com)

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