"समय न लगाएँ इसमें कि क्या करना है, वरना समय ये तय करेगा कि आपका क्या कराना है।"



Beyond the Basics

DSA LAUNCH PAD

WITH CPP



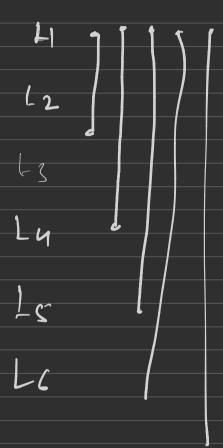
Welcome & Vision

Why you started this course.

"I don't just want you to learn coding.....

Don't Mug up – You are Engineer

Change Studying methods



Course Roadmap CPP - ODPS - STL -> Roadmap HomeWork Problems Class Code Notes

- Present (solo) - Cep / Pubit Where they'll stand after completing the course. How to Revise My Expectation and Your Expectations

Let's Start the CPP 🍑

What is Programming?

Programming means giving instructions to a computer to do something for us.

What is C++ Programming?

PROGRAMMING LANGUAGES AND THEIR USES





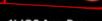


- 1) Data Science
- 2) Machine Learning
- 3) Web Development
- 4) Automation
- 5) Game Development
- 6) Data analysis
- 7) Data visualization
- 8) Artificial intelligence

- 1) Android Apps
- 2) Server-Side Apps
- 3) Enterprise Apps 4) Web Based Apps
- 5) Big data
- 6) Game Development
- 7) Internet of things 8) Cloud computing

- (1) Games Development 2) GUI Apps
 - 3) OS // Database Systems
 - 5) Embedded
 - 6) Networking
 - 7 Virtual Reality
 - 8) Computer Vision





- 1) Server-side Dev 1) IOS App Dev 2) Web Dev and Apps
 - 2) Deep Learning
 - **3) IOT**
 - 4) Server-side Dev
 - 5) Open-source Dev
 - 6) MacOS App Dev
 - 7) Machine Learning
 - 8) Automation



- 1) Games Development
- 2) Web Dev and Apps
- **3) IOT**
- 4) Backend Services
- 5) Windows App Dev
- 6) Robotics
- 7) Cloud computing
- 8) Database program

JAVASCRIPT JS

4) Machine Learning

7) Embedded system

8) Chatbot Development

3) Mobile Apps

6) Automation

5) IoT

Structure of C++ Programming #include <iostream> using namespace std; Namespace int main(){ tunction return 0; Rehm

Sun () cin) nariable underland main () Scarl) sum () Lin >)

Writing First "Hello World" Program

How to Print?



We have printf().... Then What is this cout << 🎁

cout \rightarrow Used to print (output) something on the screen.

What the heck << is

 $<< \rightarrow$ Is called as Insertion Operator, also called as left shift operator.

It is mainly used with cout to send data to the output (screen).

What is namespace

Namespace is like a special container that holds a group of names - like variables, functions, or classes - to avoid confusion when we have the same name used in different parts of the program.

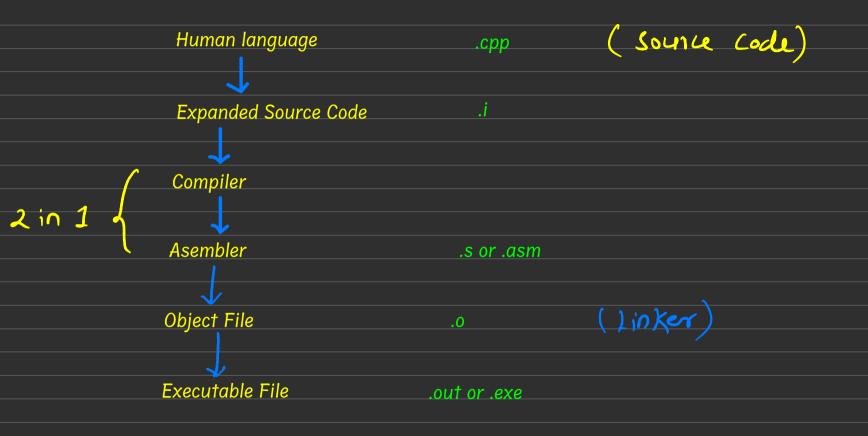
```
#include <iostream>
using namespace std;
int main(){
    return 0;
```

Behind the Scenes

What exactly happens when we compile the code and run the code.

Stuff you never taught by anyone





Variables & Data Types What is Variable How to give names to the variables



Taking Input from User

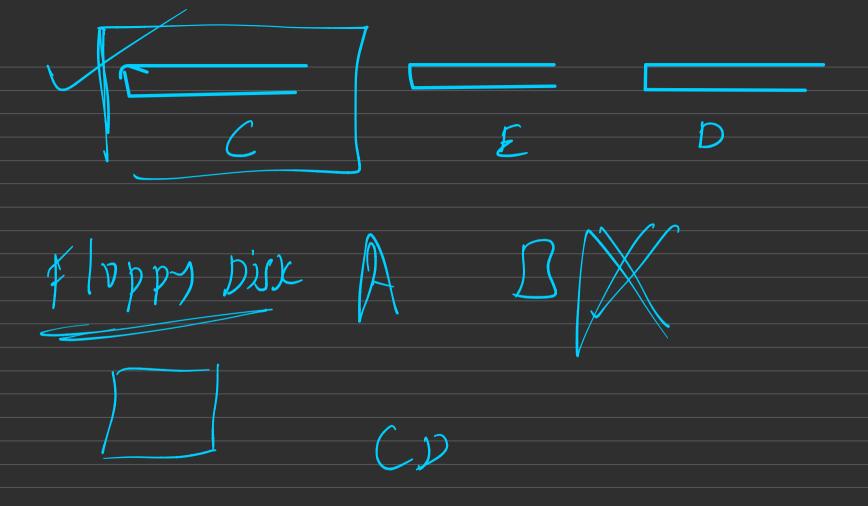
 $cin \rightarrow Used to take input - something from user.$

What the heck >> is

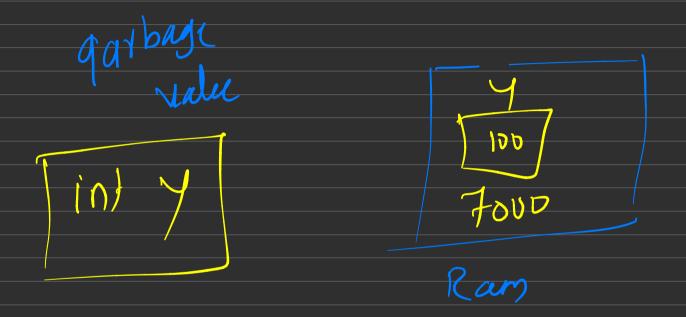
 \rightarrow Is called as Extraction Operator, also called as right shift operator.

It is mainly used with cin to take input from the user.

SSD Cache RAM Cost Speech -Speed -Ram Cache IDMB 841 241 37 98 445 16 9 D



Driver - install



Exp