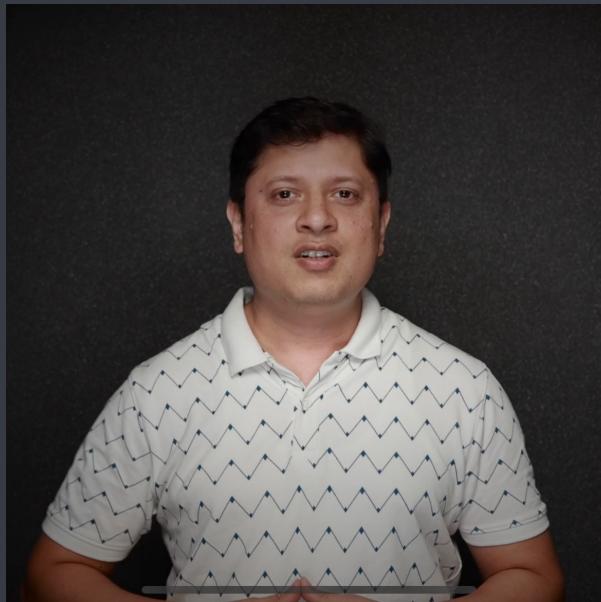


# C Language

## Introduction to programming

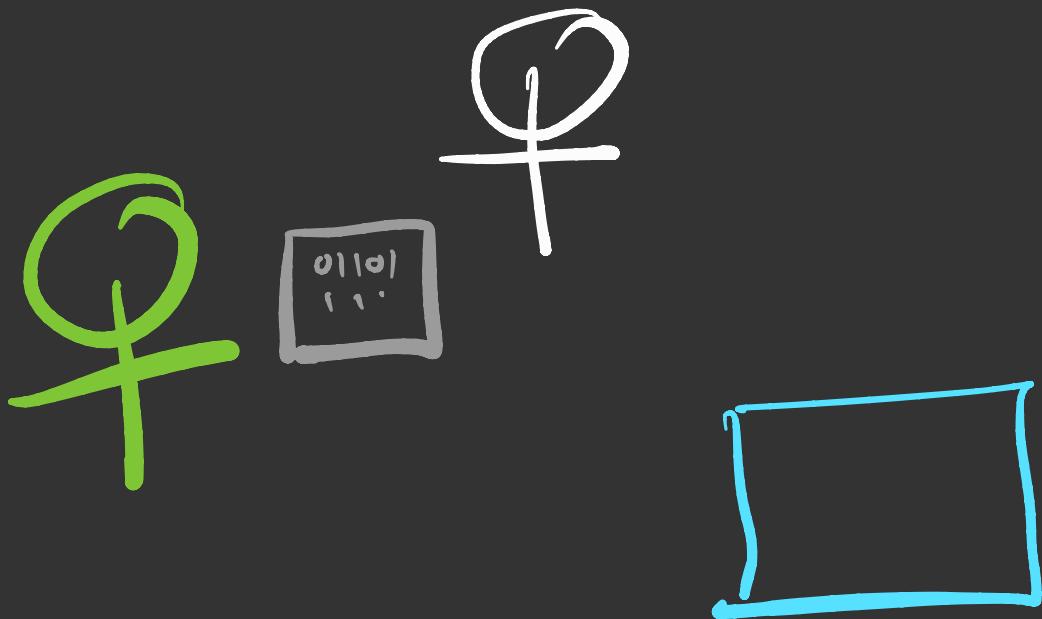


Saurabh Shukla (MySirG)

## Agenda

- ① Why you need a software?
- ② Machine Code
- ③ How to build a software using C/C++?

# Why you need a software?



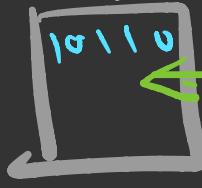
# Files

## Data

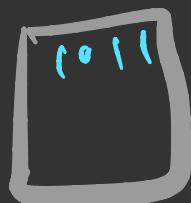
• jpg



• mp3



• txt



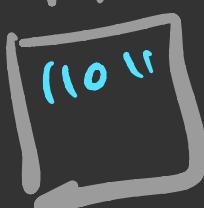
• pdf



• docx

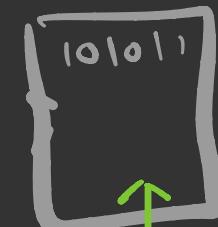


• pptx



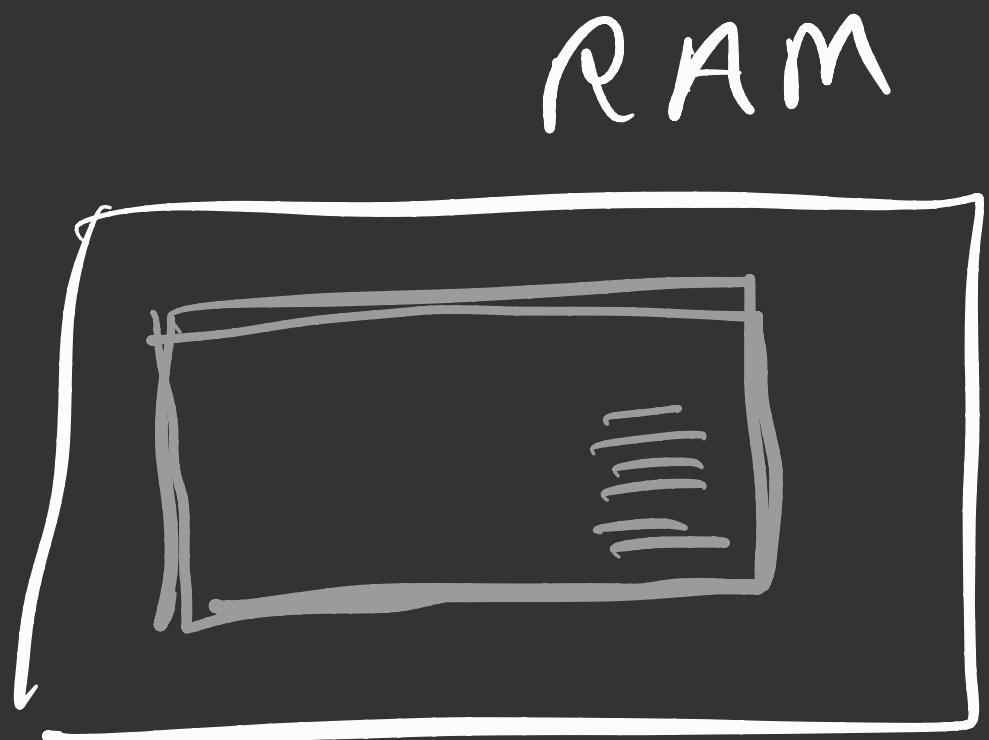
## Software

• .exe



Normal data  
to be used by  
some software

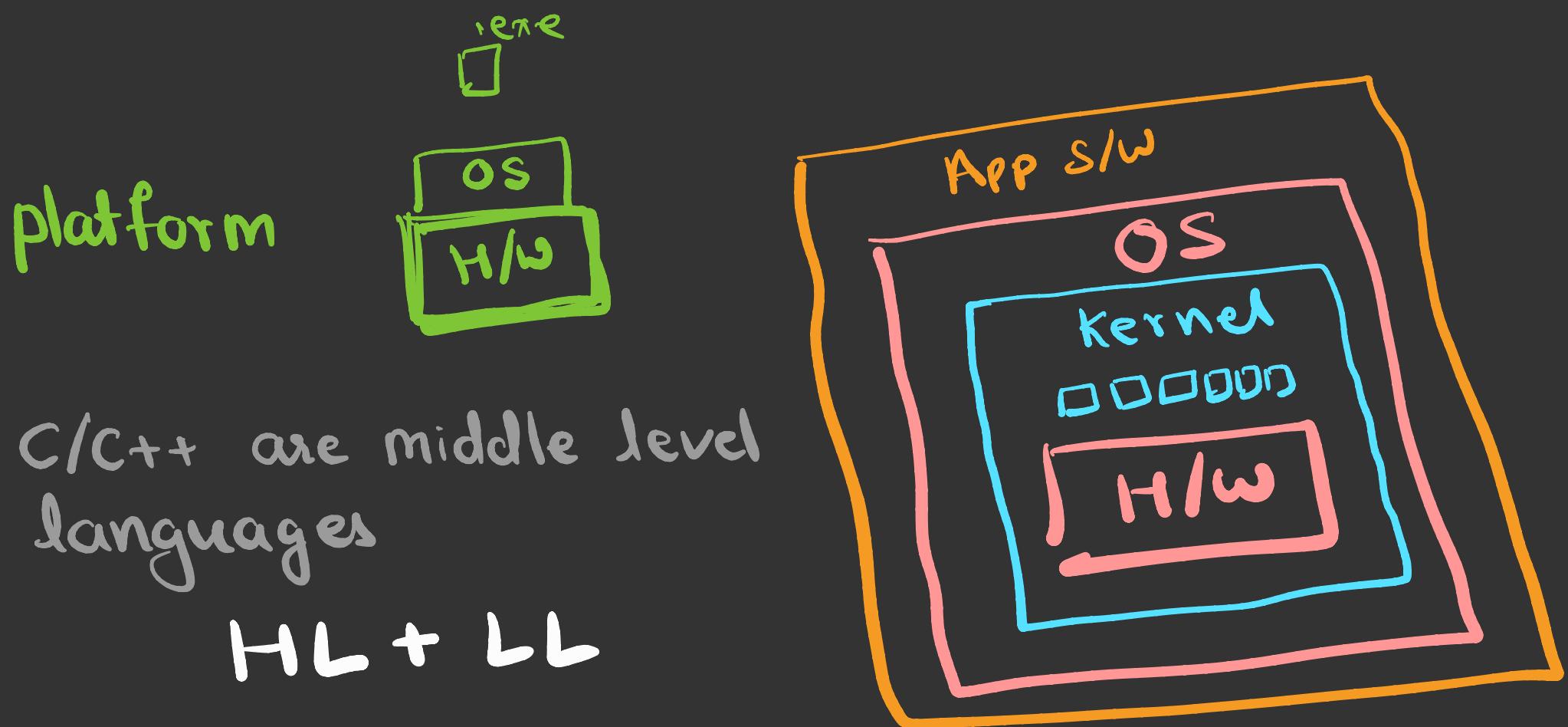
instructions  
used by OS

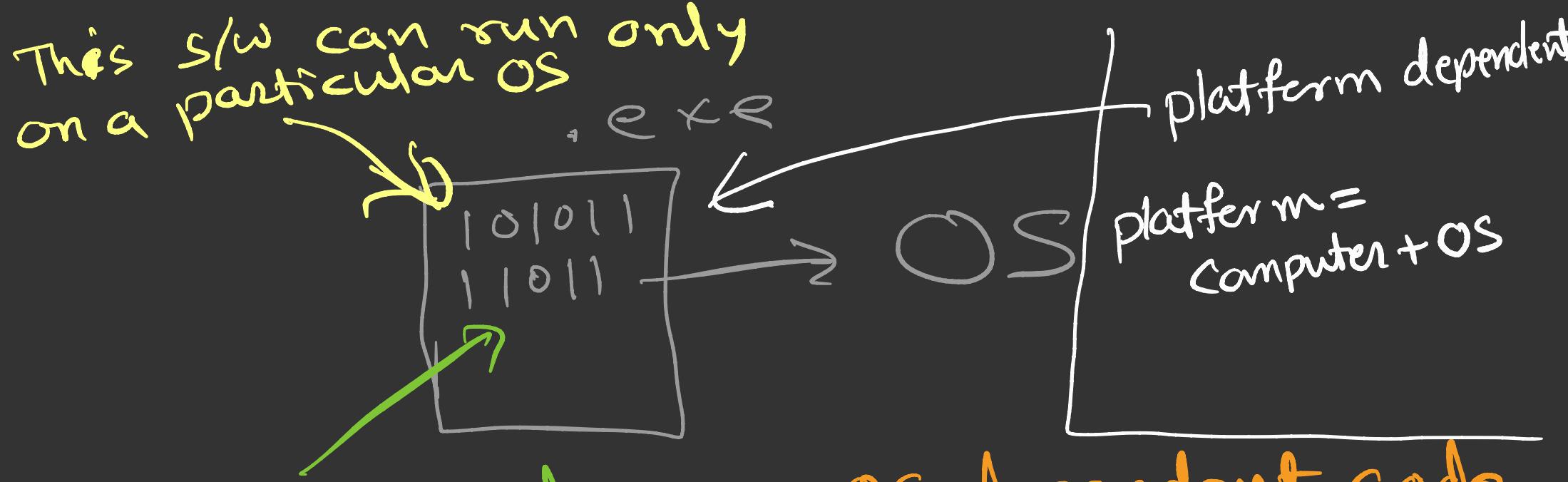


# Machine Code

Machine code is a binary code which an operating system can understand.

machine code is platform dependent





Machine code ← OS dependent code

Machine code for windows is  
different from machine code for mac  
and different from machine code for  
Linux

Windows

Mac

Linux

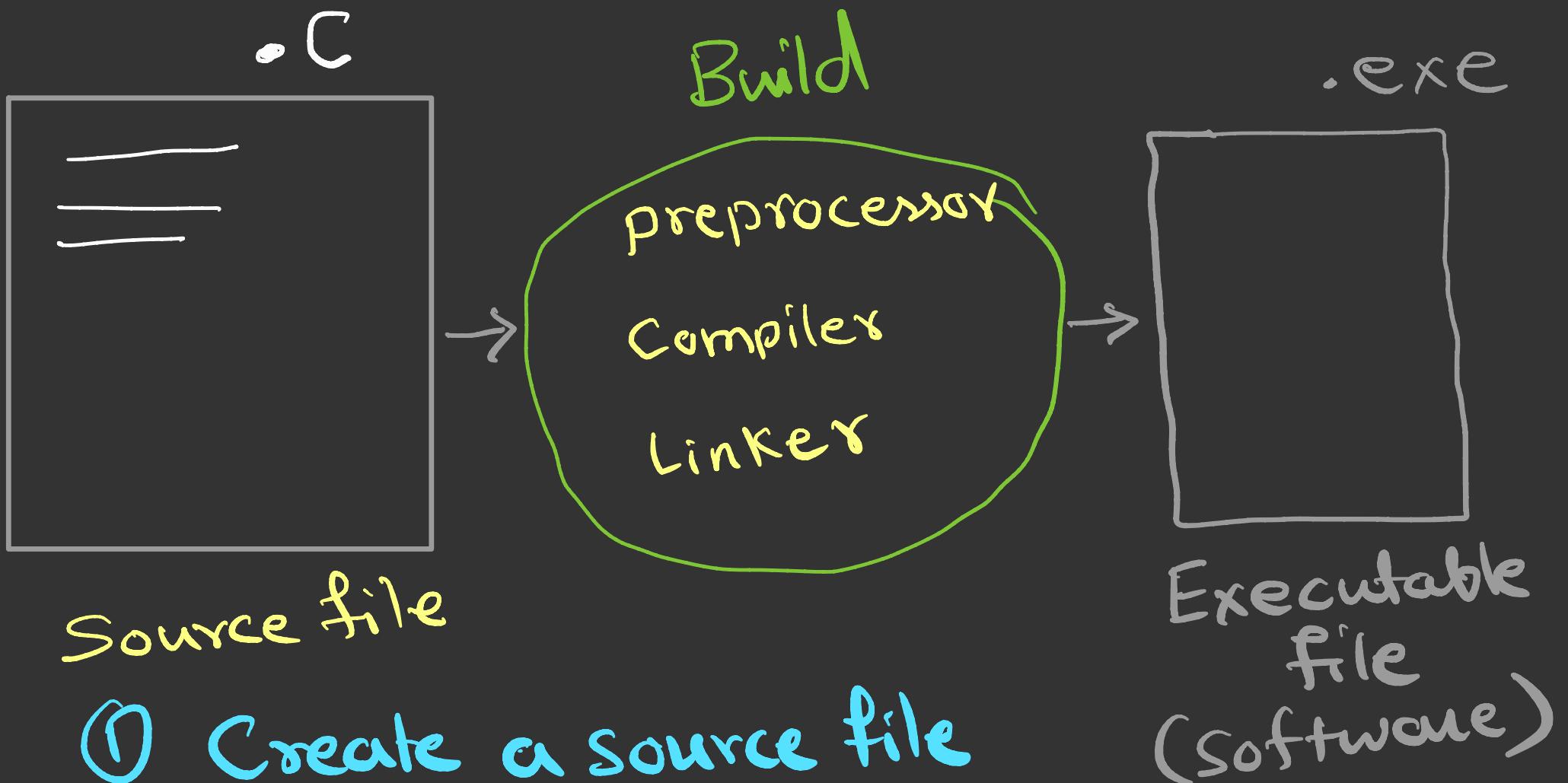
....

- You can build software in any programming language
- There are thousands of programming languages in the world
- 200 - 400 programming languages are active.

There are many types of software  
and applications

- console application
- GUI application
- mobile application
- web application

# How to build a software through C ?



Source file

① Create a source file

② Build Software

Executable  
file  
(Software)