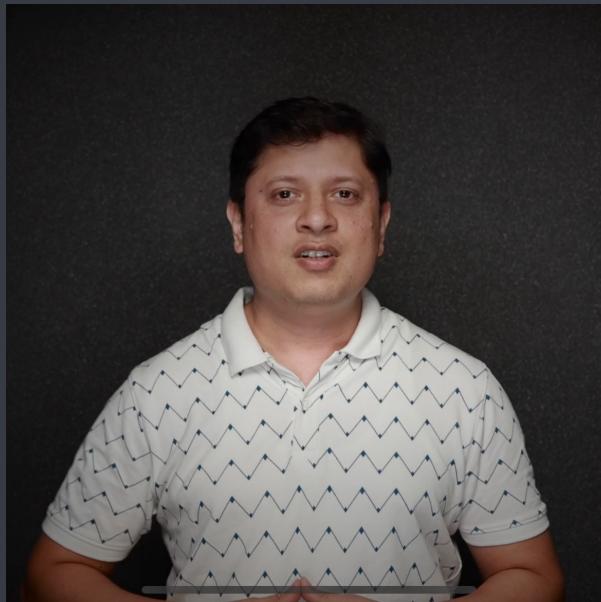


# C Language

## Introduction to programming

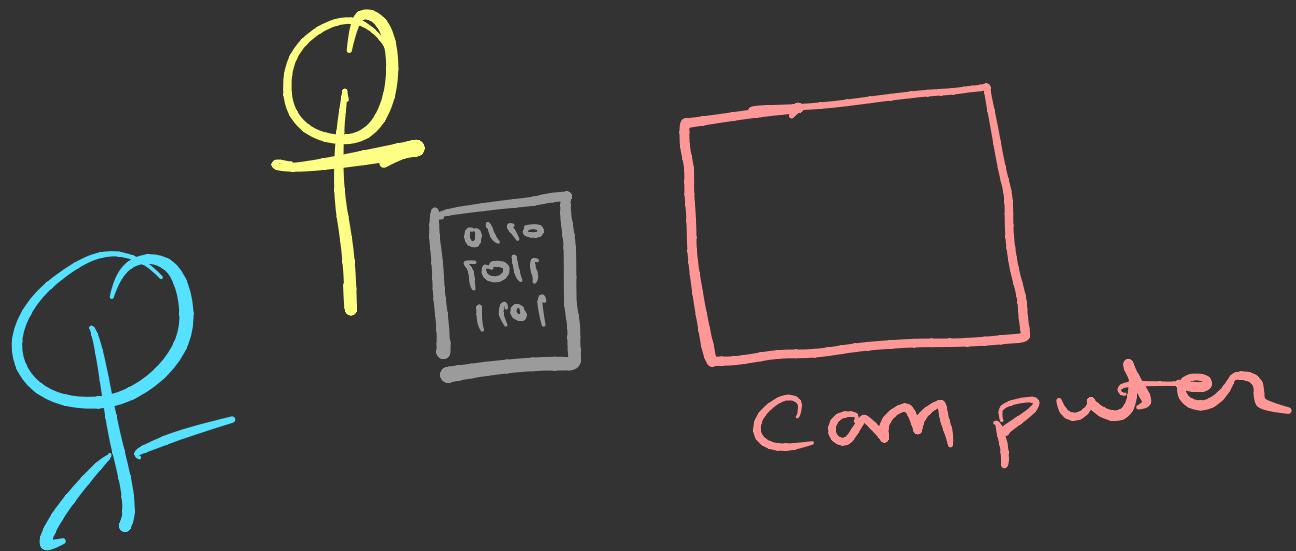


Saurabh Shukla (MySirG)

## Agenda

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

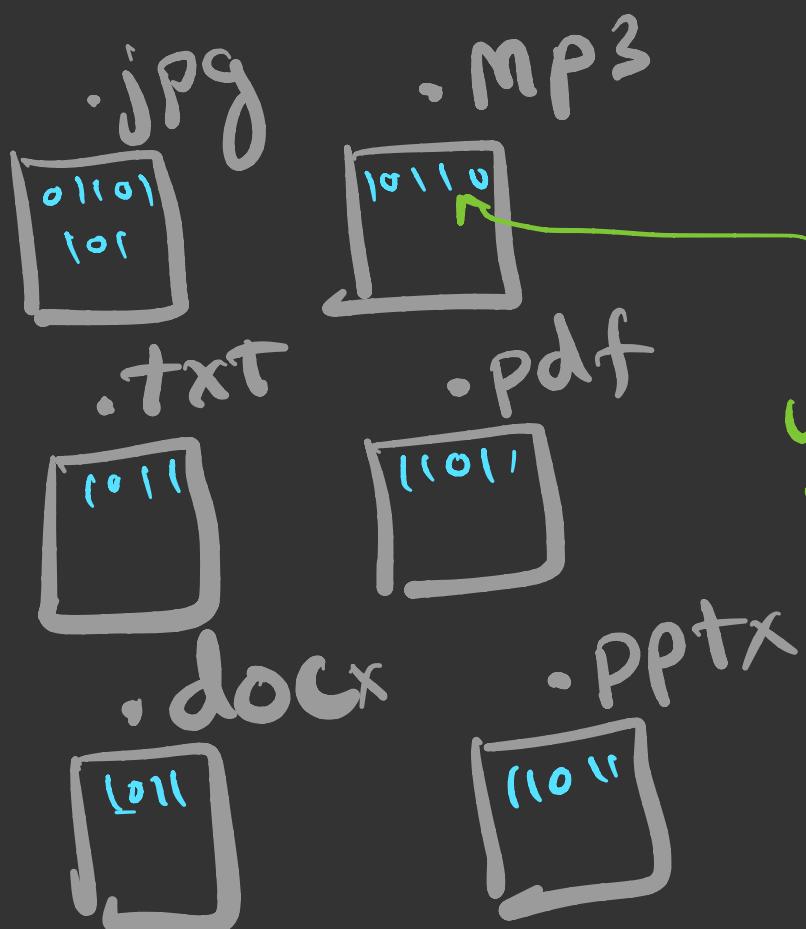
# Why you need a software?



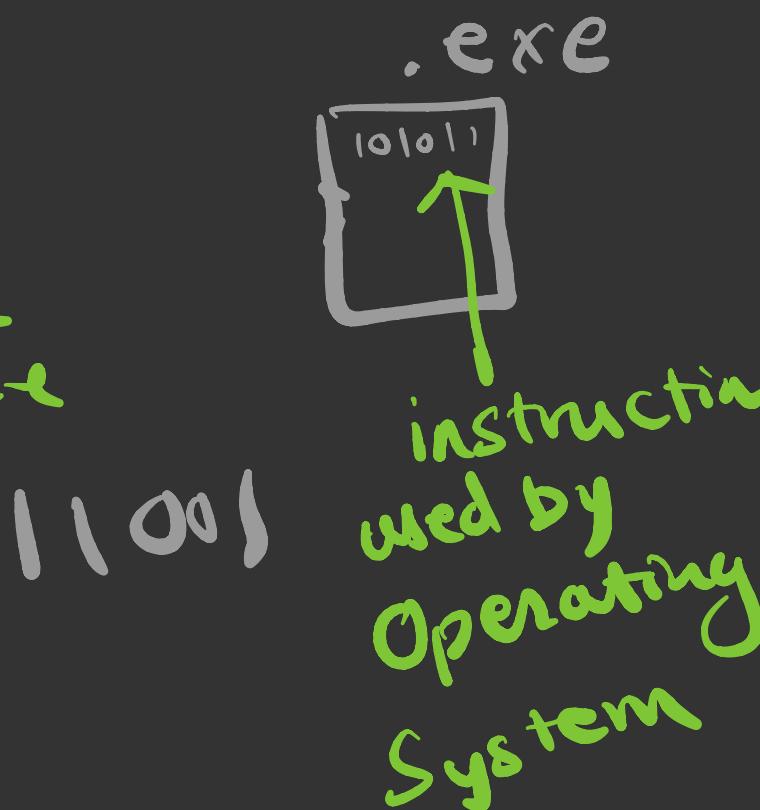
Computer can understand  
only binary language  
(machine language)

# Files

## Data



## Software



Normal  
data to be  
used by some  
Software

11001

instruction  
used by  
Operating  
System

# Machine Code

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

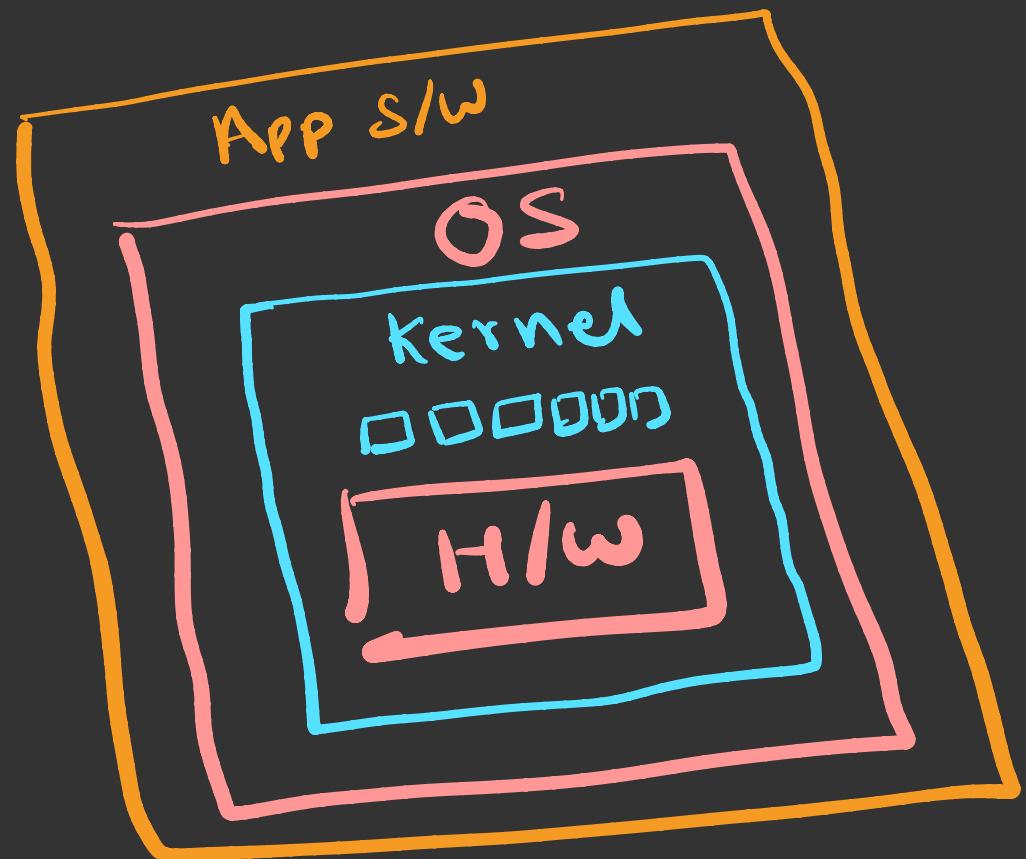


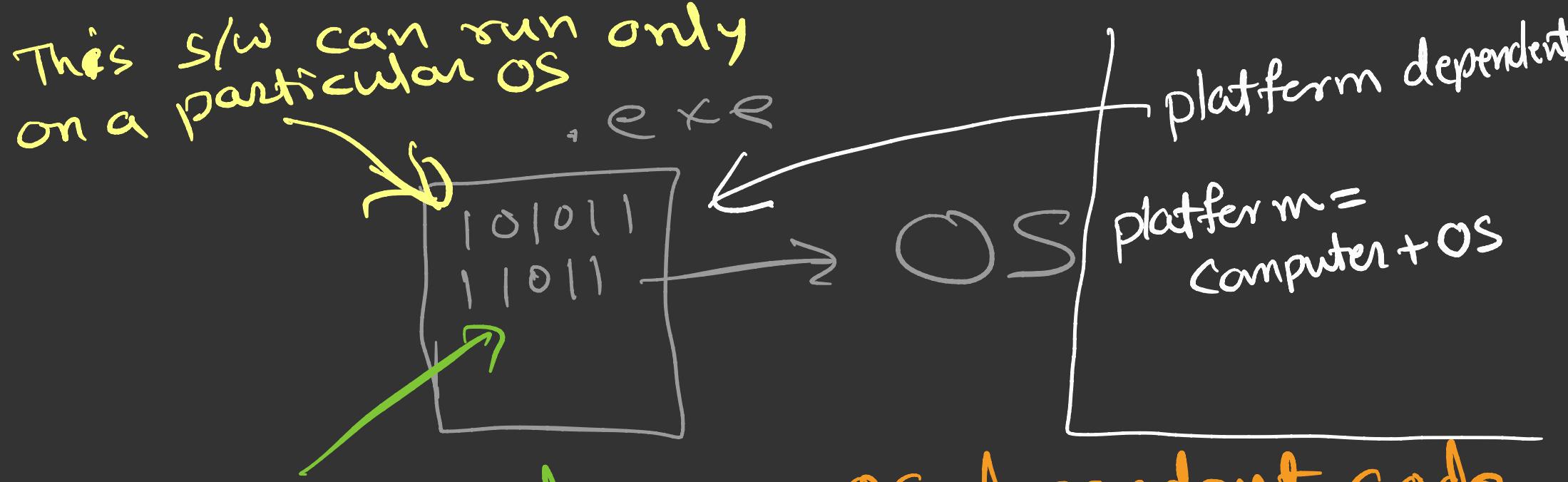
M/C code is platform dependent

platform



C/C++  
middle level  
languages  
 $= HL + LL$





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

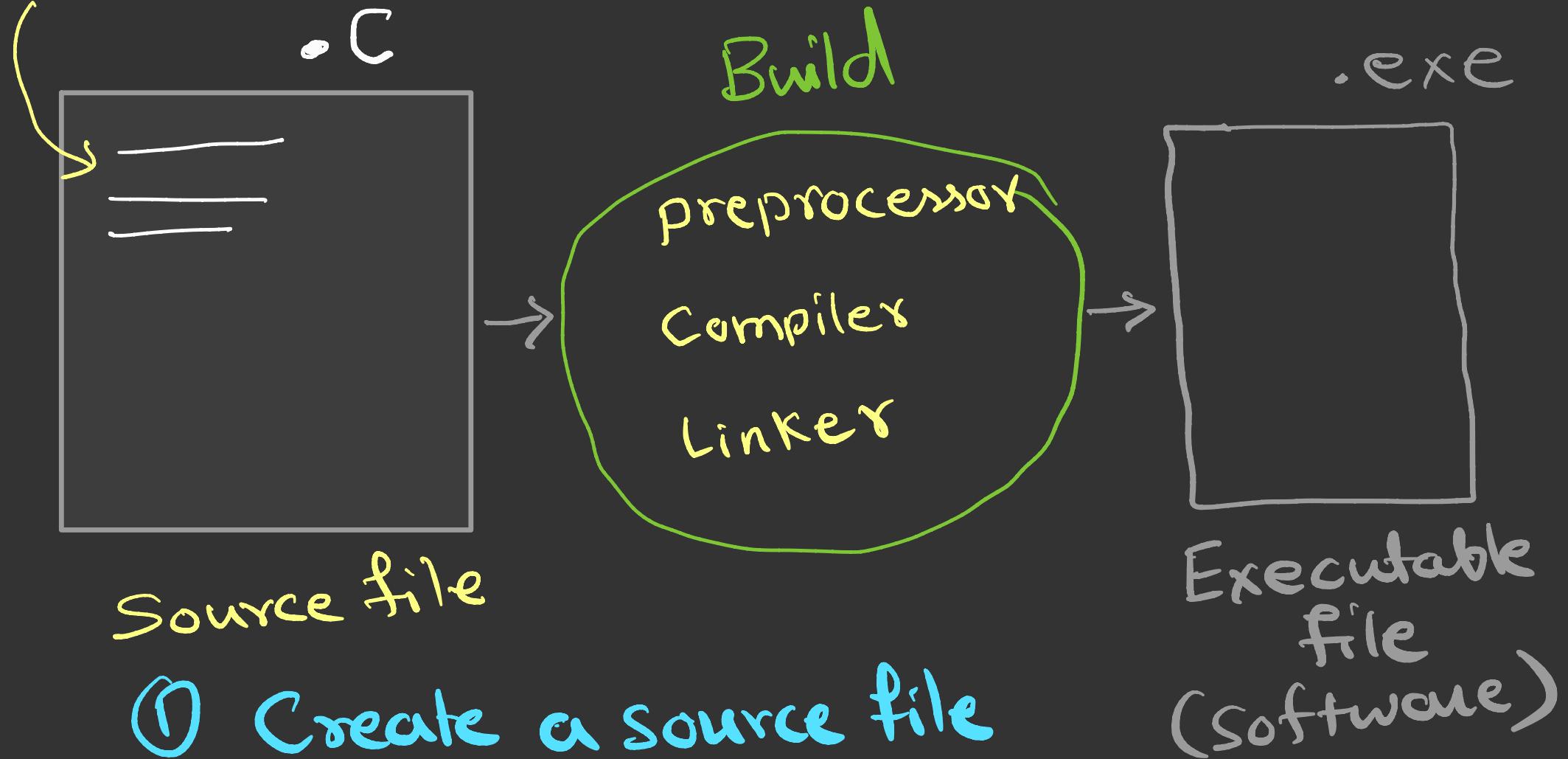
....

- 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

# Sourcecode How to build a software?



Source file

① Create a source file

② Build Software

Executable  
file  
(Software)