

# C Language

## Introduction to programming



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## Agenda

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

# Why you need a software?

ATM

Contacts

-  
-  
-

Software is to  
manage or  
manipulate data  
by using hardware  
capabilities

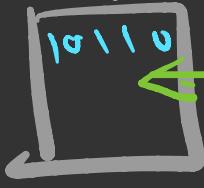
# Files

## Data

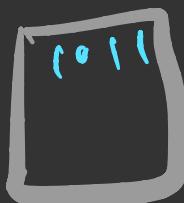
• jpg



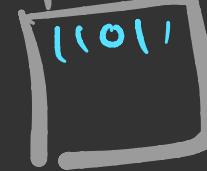
• mp3



• txt



• pdf



• docx

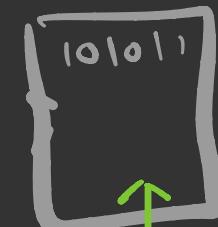


• pptx



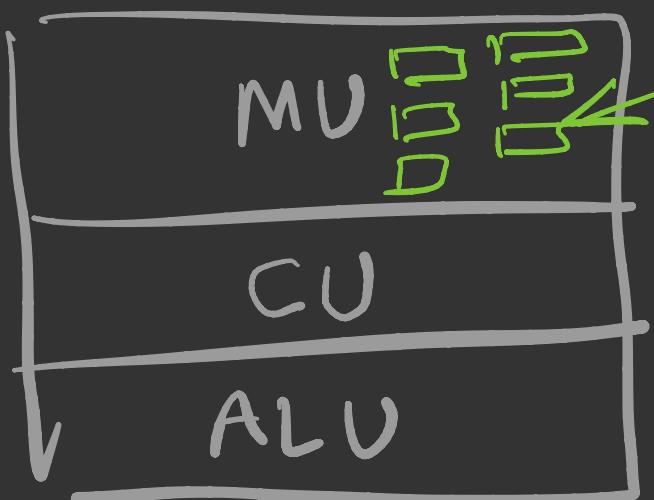
## Software

• .exe



Normal data  
to be used by  
some software

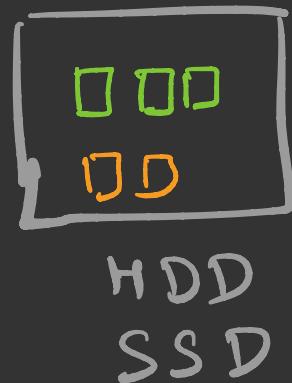
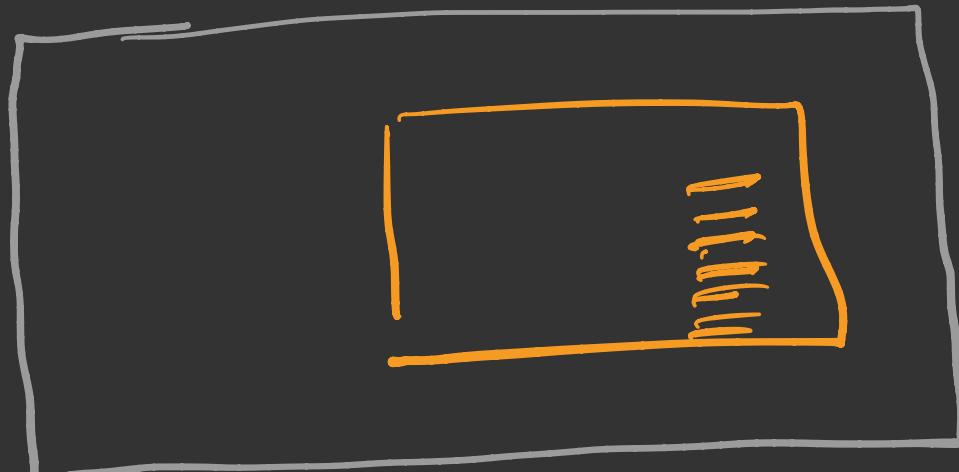
instructions  
used by OS



IR

processor  
CPU

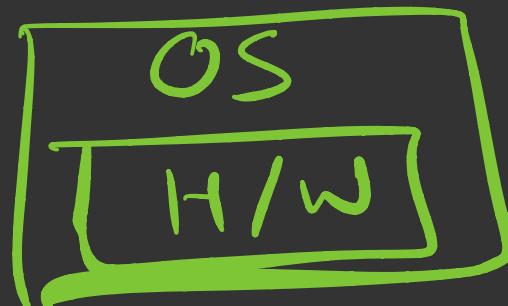
RAM



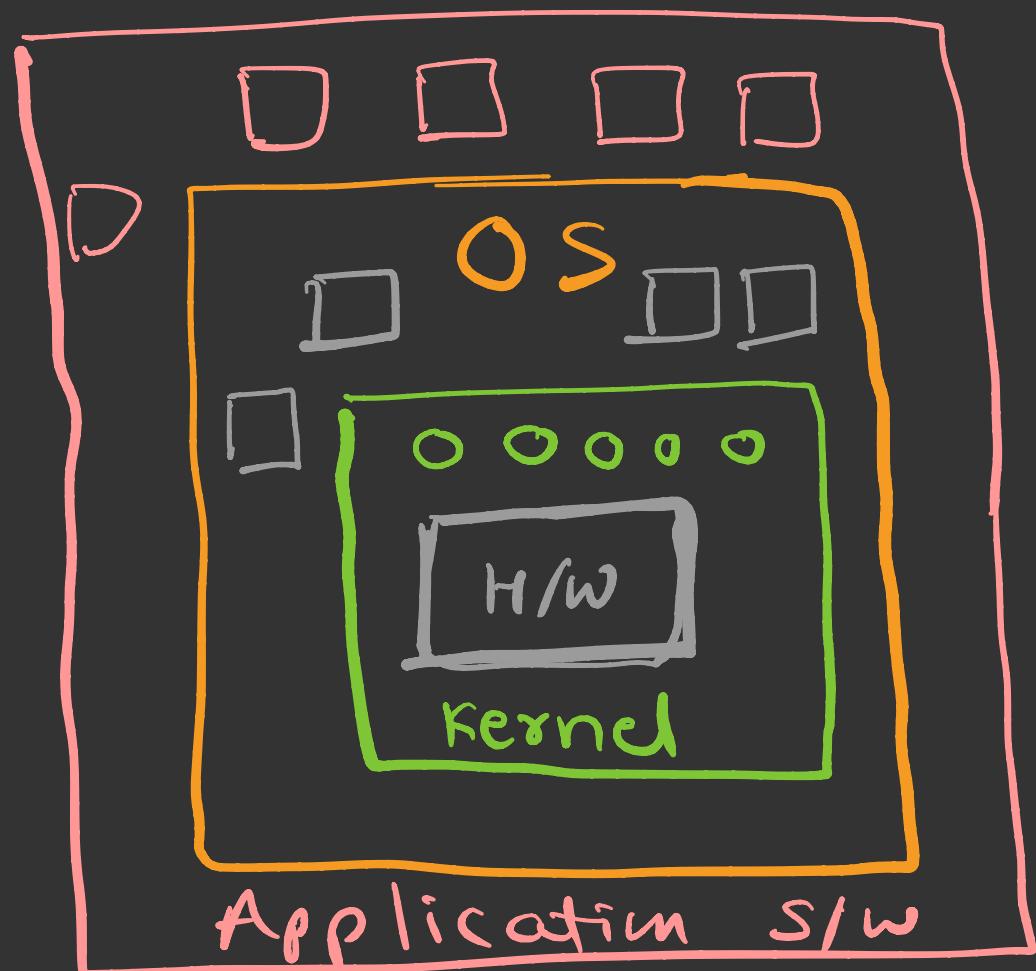
# Machine Code

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

Machine code is platform dependent



C/C++ are middle level language  
HL + LL



m/c



m/c



m/c



Windows

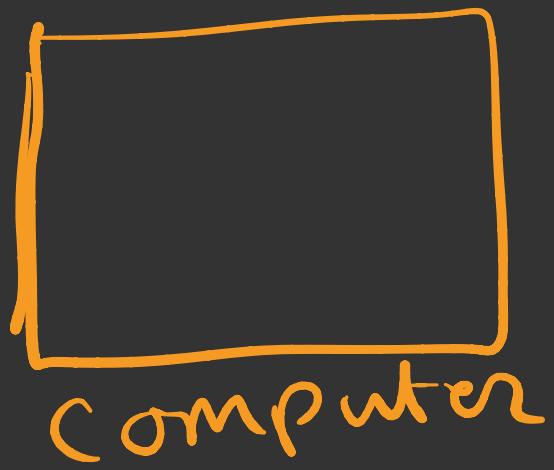
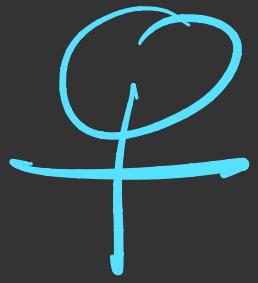
Mac

Linux

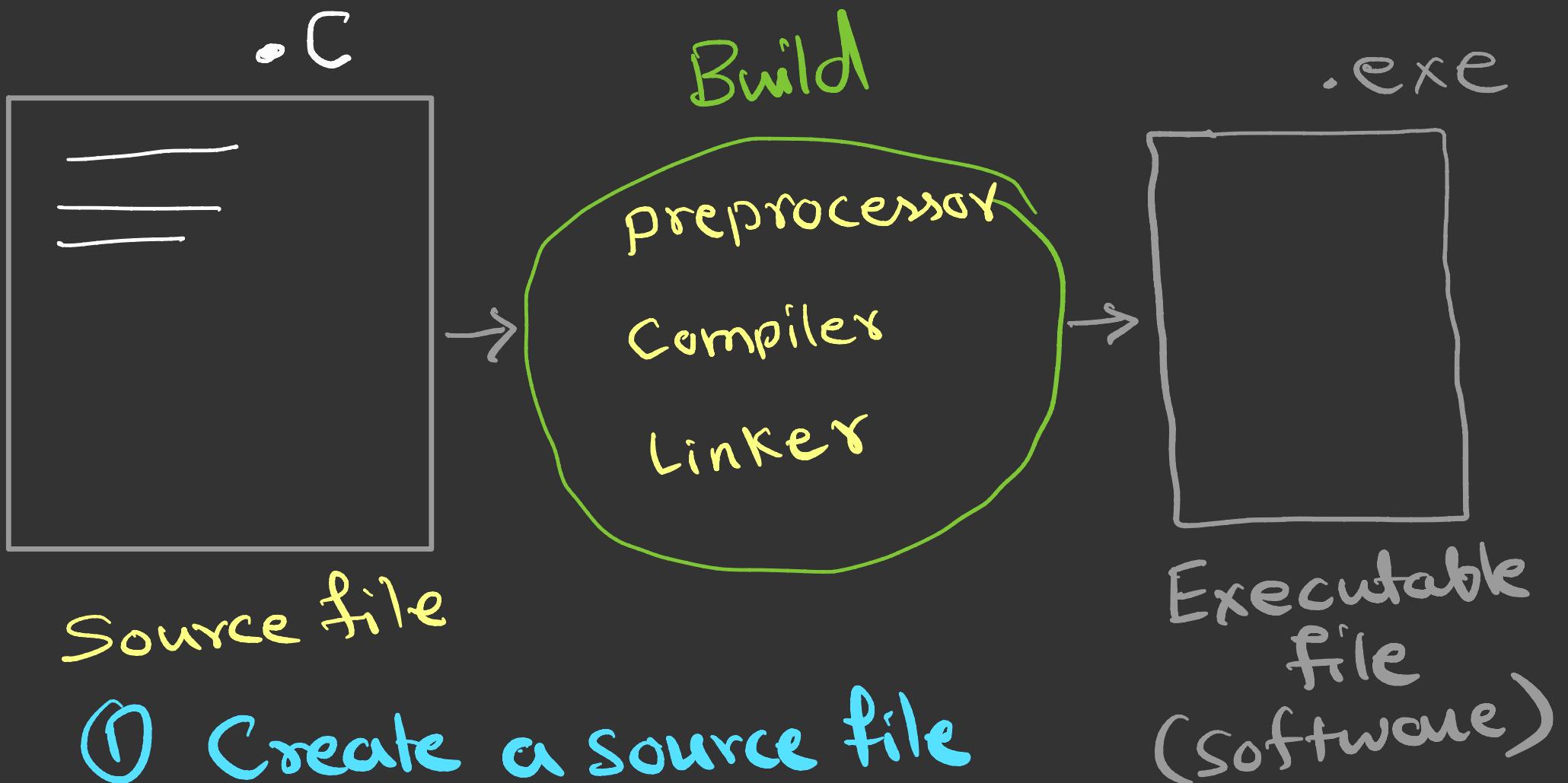
- You can build software in any programming language
- There are thousands of programming languages in the world
- 200 - 400 programming languages are active.

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)