Agenda
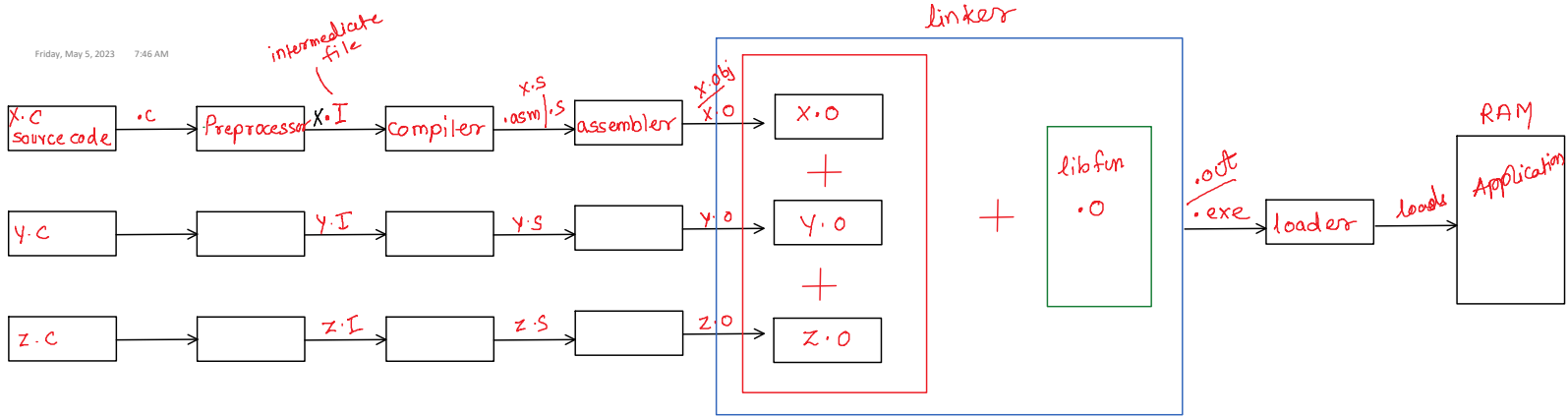
1. Standards ✓
2. Toolchain & IDE ✓
3. Compilation Phase of C Program ✓
4. Hello World Application ✓
5. Contents of C Program ✓
6. Format Specifiers
7. Git Access

linker

intermediate file

| X·C source code | → .c → | Preprocessor | X·I → | Compiler | .asm .s → | assembler | X·obj X·O → |

x·s

X·O

+

| Y·C | → | | Y·I → | | Y·S → | | Y·O → | Y·O |

+

libfun
·O

| Z·C | → | | Z·I → | | Z·S → | | Z·O → | Z·O |

.out .exe → | loader | loads →

RAM
Application

.c Source code written using c high level language syntax and semantics

Preprecossor is a program which process all instructions which starts with #

Also removes comments from source code

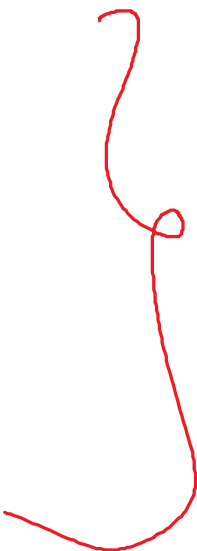Compiler generates assembly instruction which are assembled by assembler

Linker links user source code object code with library function object code and generates execuatable file

Loader loads application in to main memory RAM

Printf

_____

_____

_____

_____

_____

definition

compiler