Agenda

✓ Details of source code

✓ Phases C Program

Escape sequence characters

Format specifiers

int printf (const char *s, ...)

int printf (const char *, ...);

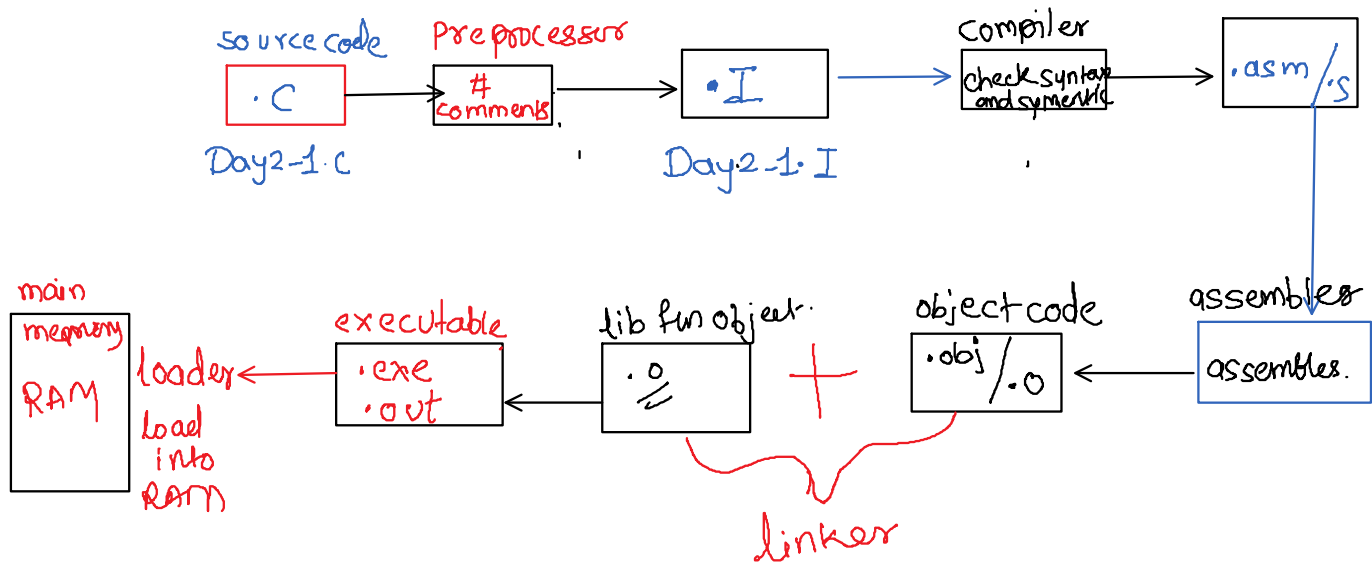declaration

{
1 — -
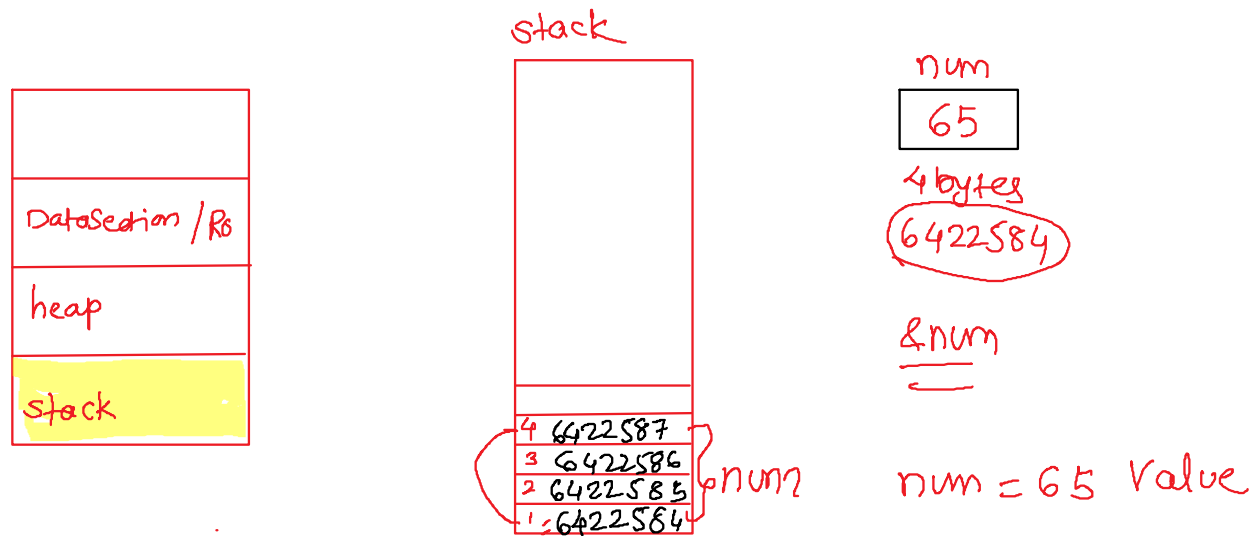2 —
3 —
4 —
5 —
6 —
}

definition of function

printf ("HelloWorld");

Call

declaration of lib fun[n] will be available in header file.

definition of lib fun[n] will be available in lib folder in the format of .o

source code   Pre processor   Compiler

.C   →   # comments   →   .I   →   check syntax and symentic   →   .asm /.s

Day2-1.c   Day.2-1.I

main memory RAM   executable   lib fun object.   object code   assembler

loader ← load into RAM   .exe .out ← .o ///   +   .obj /.o ← assembles.

linker

stack

num

65

4 bytes

(6422584)

&num

Data Section / R0

heap

stack

4	6422587
3	6422586
2	6422585
1	6422584

&num

num = 65 Value

```
printf("num=%d num=%c num=%o num=%x \n",num,num,num,num);
```

binary   binary   binary   binary

decimal   char   octal   Hexa

```
printf("num=%d num=%c num=%o num=%x \n",num,num,num,num);
```