

PWN

BINARY EXPLOITATION 101

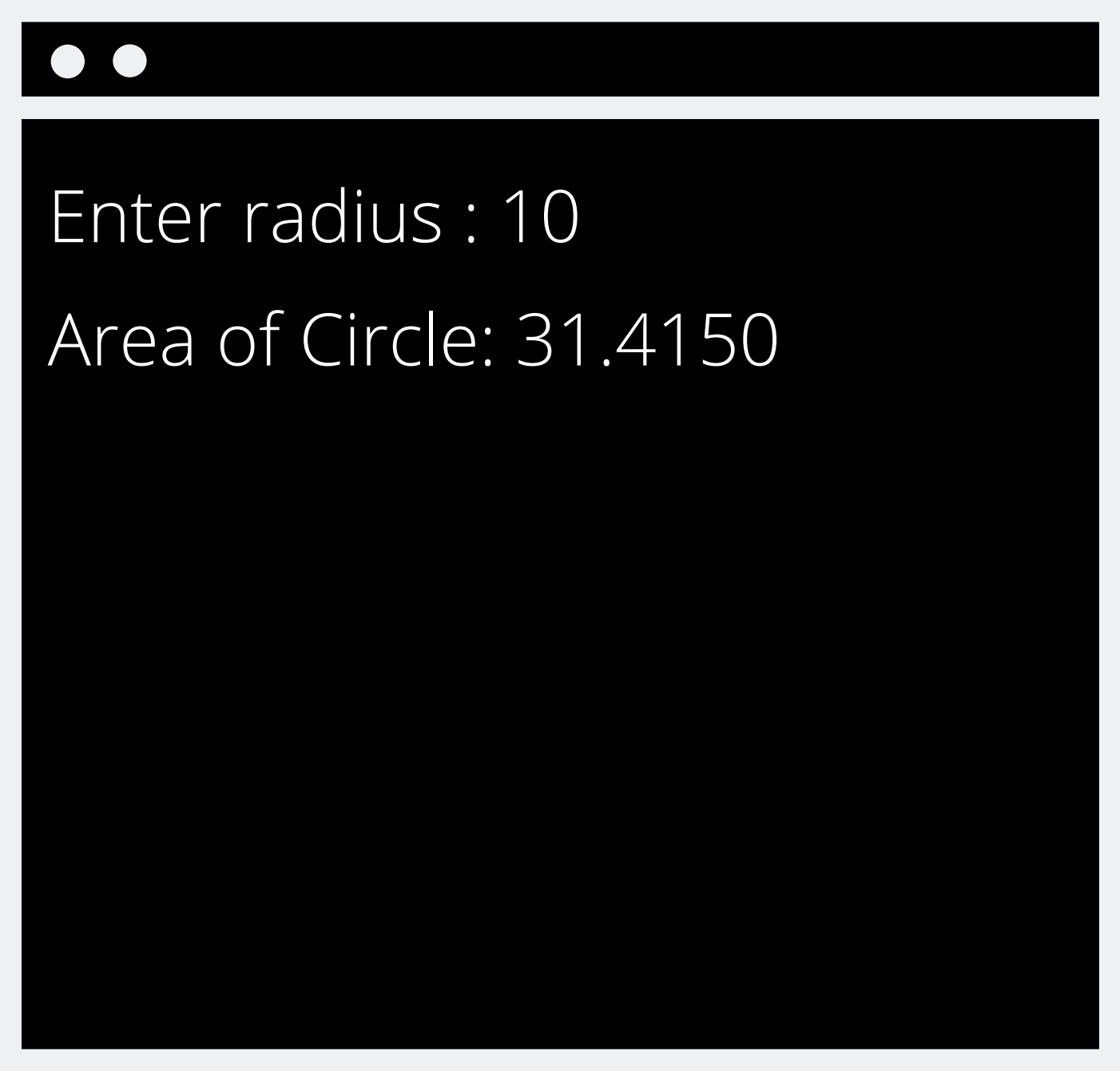
“If security were all that mattered, computers would never be turned on, let alone hooked into a network with literally millions of potential intruders”

— Dan Farmer

C Program

-A high level programming language

```
#include <stdio.h>
int main(int argc, char *argv[])
{
    int r;
    float pi=3.1415;
    printf("Enter radius: ");
    scanf("%d",&r);
    float area = pi*r*r;
    printf("Area of Circle: %f",&area);
    return 0;
}
```



```
Enter radius : 10
Area of Circle: 31.4150
```

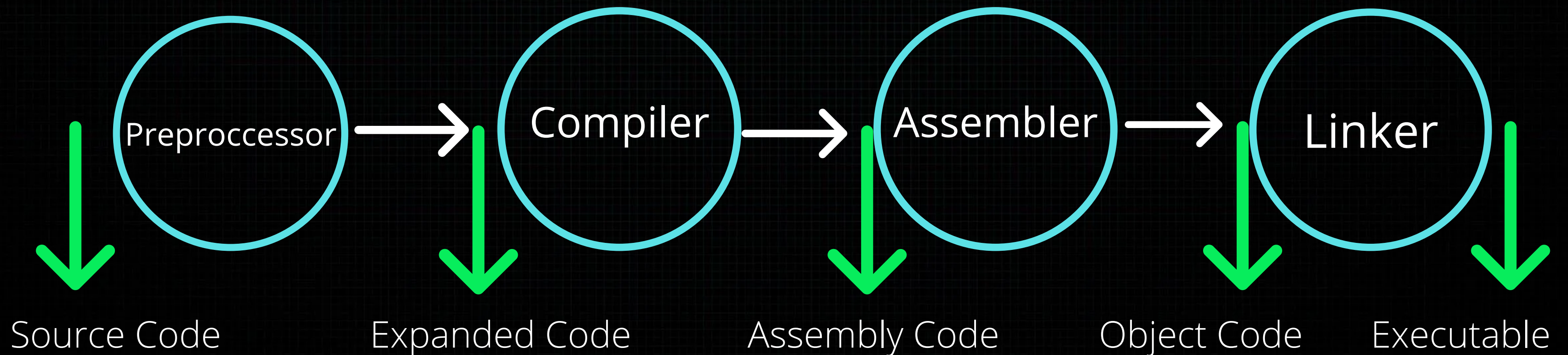
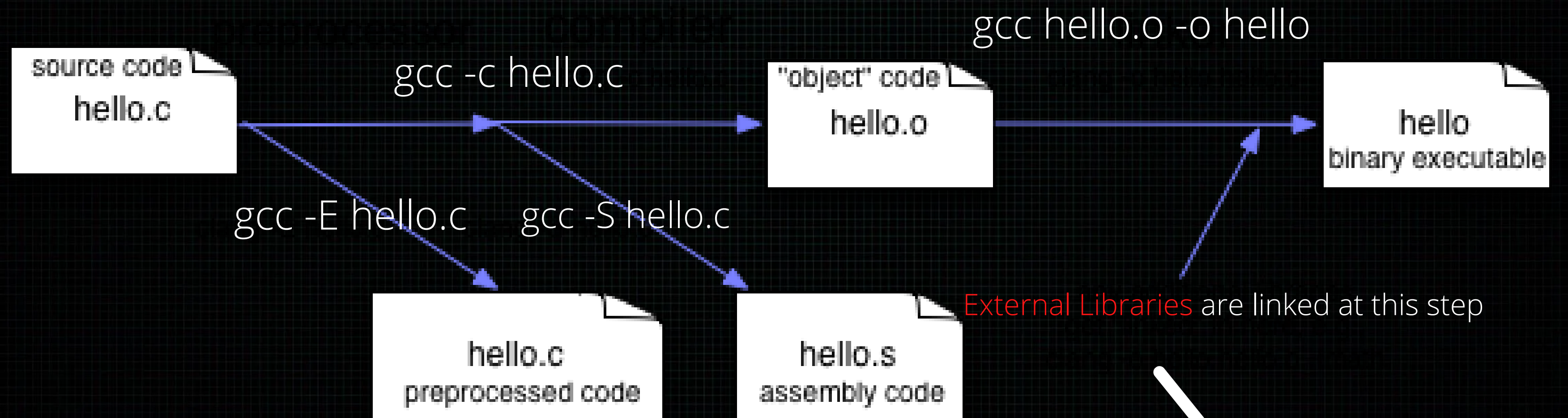

GCC Compiler

- A C Program Compiler

```
int main()
{
char name[40];
printf("What is your name?");
gets(name);
printf("Hello!, %s",name);
return 0;
}
```




1	0	1	0	1
0	1	0	1	0
1	0	1	0	1

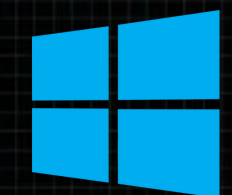



1 0 1 0 1
0 1 0 1 0
1 0 1 0 1



x86


ELF

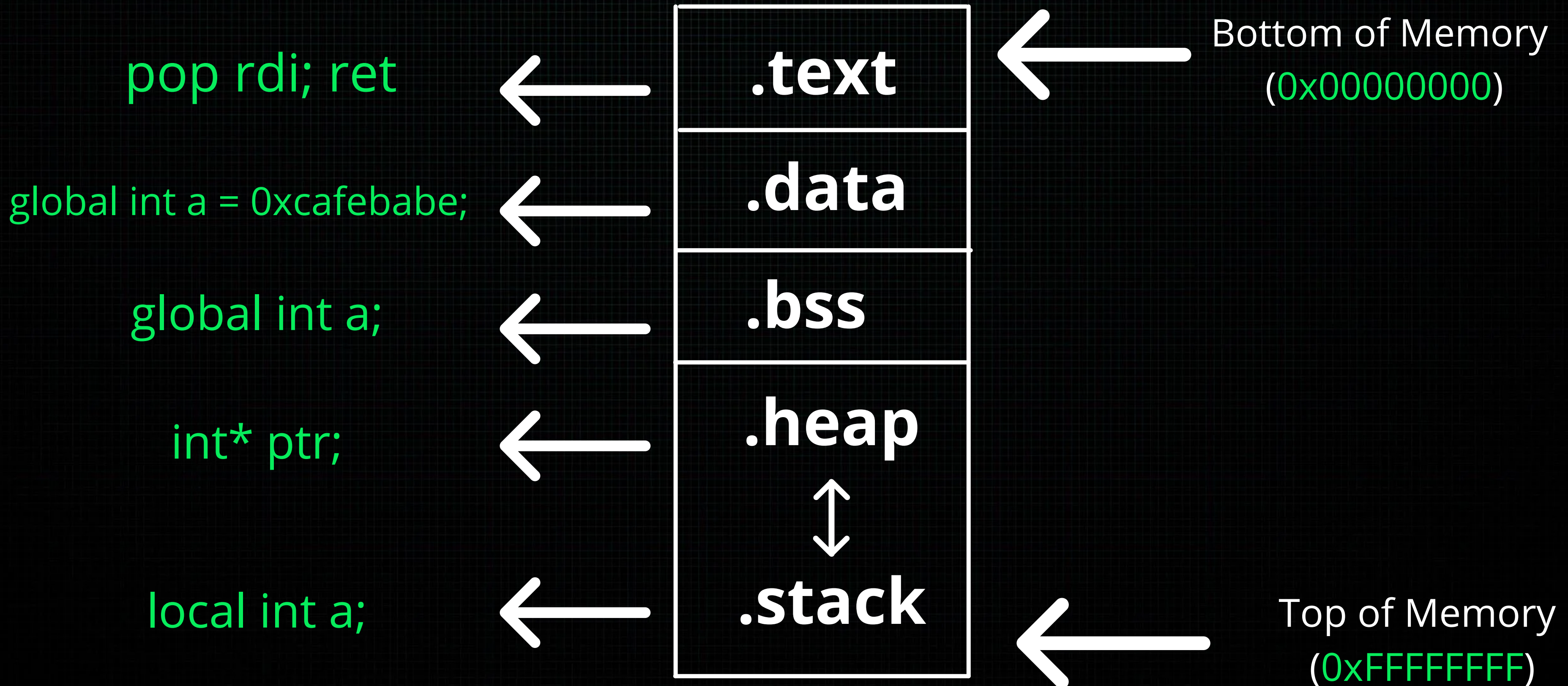

PE


Mach - O

x64



Memory Layout





**7h@NK YOU
F0R W4tch1Ng!**

Next Video ►
Assembly