

0x FF FF FF FF

I/O

stack

stack pointer (esp)

heap

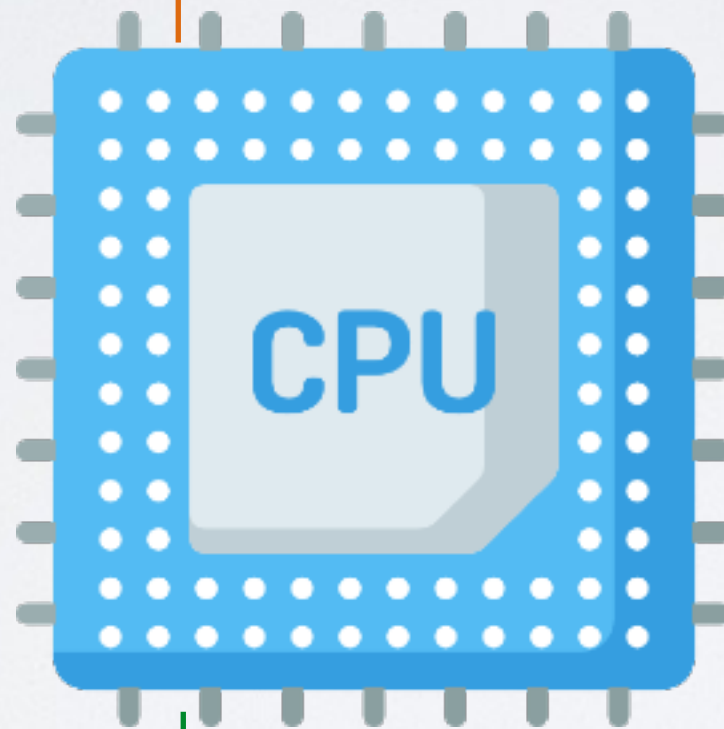
code (text)

instruction pointer (eip)

Boot

0x 00 00 00 00

Running one program



Stack execution

```
void foo(char *str) {  
    char buf[126];  
    strcpy(buf, str);  
}
```

Caller Frame

foo Frame

Stack
grows down

0x FF FF FF FF

Args

Return Address

Base Pointer

buf

0x 00 00 00 00

