

CS 326 C Review

Lab 2 due Mon Feb 10

C for xub

Coding for xub

Incremental development

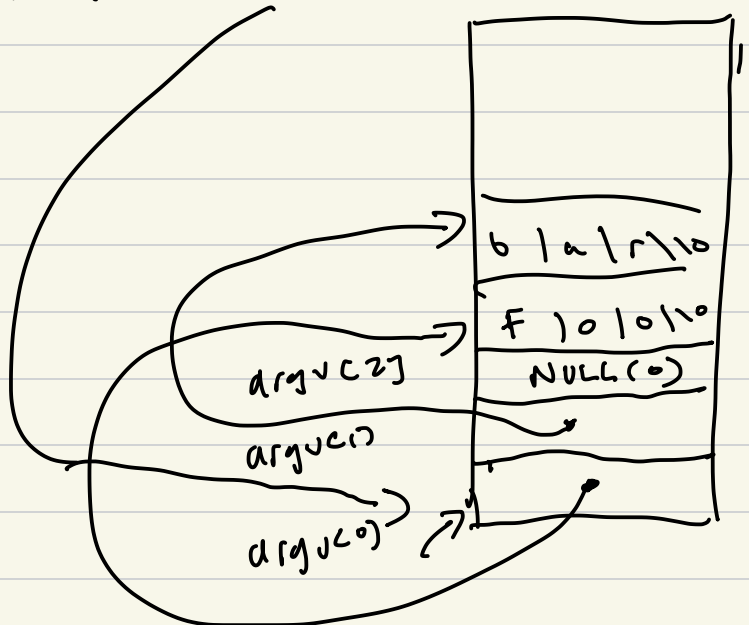
How to work with Coding Assistants

```
int    a0 ↓      a1 ↓  
main(int argc, char *argv[])
```

{

}

args foo bar



C Memory

```
int x;
```

```
int
```

```
main() {
```

```
    int a; } local  
    int b; } stack
```

```
(p) malloc(32)  
    ↑  
    byte  
}
```

global



```
int *foo() {
```

```
    int x;  
    x = 3;  
    return &x;
```

```
}
```

```
main() {
```

```
    int xmp;
```

```
    mp = foo();
```

```
    printf("%d\n", *mp);
```

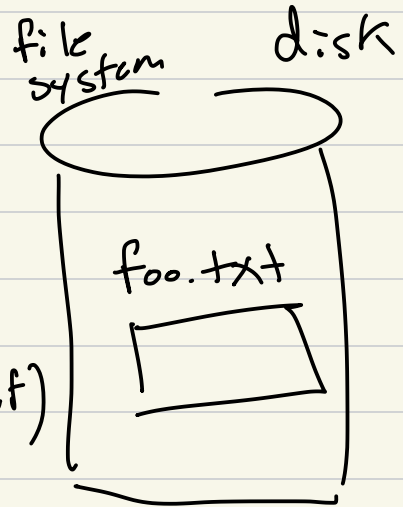


Files and File Descriptors

prog

```
buf[2048]
```

```
readfile("foo.txt", buf)
```



file funcs (system calls)

all work with file descriptors