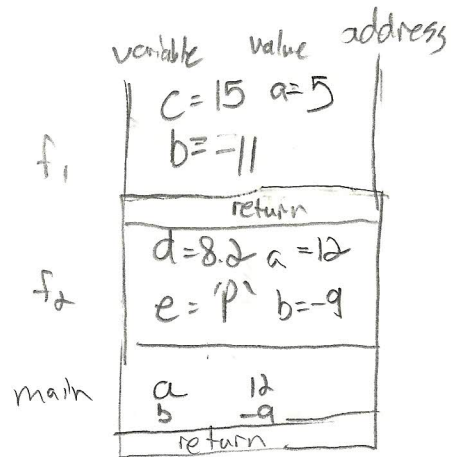


## lecture 6

```
int iter;  
int counts[26];  
for (iter = 0; iter < 26; iter++)  
{  
    counts[iter] = 0;  
}
```



```
int ch;  
ch = fgetc(fptr);  
if (ch == 65)  
{  
    counts[0]++;  
}  
if (ch == 66)  
{  
    counts[1]++;  
}  
if (ch == 67)  
{  
    counts[2]++;  
}
```

Call stack

stores  
return addresses  
+ arguments  
+ local variables

- ① Avoid mysterious numbers
- ② Avoid copy-paste code.

### Better Solution

```
if ((ch >= 'A') && (ch <= 'Z'))  
{  
    counts[ch - 'A']++;  
}  
if ((ch >= 'a') && (ch <= 'z'))  
{  
    counts[ch - 'a']++;  
}
```