

Add the Variable Arguments List to Our Code

```
int printlog (const char* fmt, ...)
{
    va_list args;
    if (NULL == logfile) {
        logfile = fopen ("the_log","a");
        if (NULL == logfile) {
            return -1;
        }
    }
    va_start (args, fmt);
```

Insert the blue lines as shown.

One More Line of Code: Call `vfprintf`

```
int printlog (const char* fmt, ...)
{
    va_list args;
    if (NULL == logfile) {
        logfile = fopen ("the_log","a");
        if (NULL == logfile) {
            return -1;
        }
    }
    va_start (args, fmt);
    return vfprintf (logfile, fmt, args);
}
```

Just call `vfprintf`!

What Does `printlog` Return?

```
int printlog (const char* fmt, ...);
```

But what does our function return?

Number of characters printed
or a negative value on failure
(just like `printf`).