

Comp. Prog.

Multi File | Command Line Args | Macros

Multifile programming

- all structure declarations, function declarations in `.h` file
- all function definitions in `.c` file
- main function in `_main.c` file

Reference

<https://beej.us/guide/bgc/html/split/multifile-projects.html#multifile-projects>

Command line Arguments

```
int main(int argc, char const *argv[]) {  
    printf("argc value is %d\n", argc);  
    for (int i = 0; i < argc; i++) {  
        printf("argv[%d] value is %s\n", i, argv[i]);  
    }  
    ...  
}
```

Reference

<https://beej.us/guide/bgc/html/split/the-outside-environment.html#command-line-arguments>

Macros

- Open a file using `fopen()` function and store its reference in a `FILE` pointer say `fPtr`.
- You must open file in `r` (read) mode or atleast mode that support read access.
- Read content from file using any of these functions `fgetc()`, `fgets()`, `fscanf()` or `fread()`.
Finally, close the file using `fclose(fPtr)`.

Reference

<https://beej.us/guide/bgc/html/split/the-c-preprocessor.html#simple-macros>

