

Lab10: file access

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More of Vim & Linux Commands

Vim - Using tab pages

```
nnooremap <C-o> :tabnew<CR>
nnooremap <C-n> :tabnext<CR>
nnooremap <C-p> :tabprevious<CR>
```

Linux commands

- cat
- pipeline & grep

File Access – Read & Write

```
#include <iostream>
#include <fstream>

int main () {
    std::ofstream myfile ("example.txt");
    if (myfile.is_open())
    {
        myfile << "This is a line.\n";
        myfile << "This is another line.\n";
        myfile.close();
    }
    else {
        std::cout << "Unable to open file";
    }
    return 0;
}
```

```
1 #include <iostream>
2 #include <fstream>
3 #include <string>
4
5 int main () {
6     std::string line;
7     std::ifstream myfile ("example.txt");
8     if (myfile.is_open())
9     {
10         while ( getline (myfile,line) )
11         {
12             std::cout << line << '\n';
13         }
14         myfile.close();
15     }
16
17     else {
18         std::cout << "Unable to open file";
19     }
20
21     return 0;
22 }
```

Practice – Maximum of the Input Integers

- Read integers from the input file
- Find the maximum of the input integers

```
[u1304130@lab2-13 ~/lab10]$ cat data.input
13
29
48
23
[u1304130@lab2-13 ~/lab10]$ ./a.out
Done!
Maximum input integer is: 48
[u1304130@lab2-13 ~/lab10]$
```

Lab assignment

- Read integers from the input file
- Write twice the value of each one to the output file

```
[u1304130@lab2-13 ~/lab10]$ cat data.input
13
29
48
23
[u1304130@lab2-13 ~/lab10]$ cat data.output
26
58
96
46
```