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Week 16

December 5 2022

Week 16 Lecture 16 Notes

File output example:

```cpp
#include <iostream>
#include <string>
#include <fstream> //Step 1: Include fstream library for access to commands
using namespace std;
int main() {
ofstream fout; //Step 2: Declare that we're writing to a file
fout.open("file.txt") //Step 3: Open the file we're writing to
fout << "Hello World"; //Step 4: Write whatever we want to out file (Hello World in this case)
fout.close(); //Step 5: Close the file
return 0;
}
```

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File input example:

```cpp
#include <iostream>

#include <string>

#include <fstream> //Step 1: Include fstream library for access to commands

using namespace std;

int main() {

String line;

ifstream fin; //Step 2: Declare that we're reading a file

fin.open("file.txt") //Step 3: Open the file we're reading

While (!fin.eof()) { //Step 4: Read lines to the terminal until the end of the file is reached

getLine(fin, line);

cout << line << endl;

}

fin.close(); //Step 5: Close the file

return 0;

}
```