Lecture 3 a

File

Reading from a file and writing to it

```
#include <fstream>


...
```

Reading a file

```cpp
ifstream myfile("D:/hello.txt");

if(!myfile.is_open()){
    cout<<"Could not read!"<<endl;
    return -1;
}
...
```

hello.txt

Hello, there.
Today is Tuesday.
I am drinking tea.

Reading a file

```
string myStr="";

while(getline(myfile,myStr)){
    cout<<myStr<<endl;
}
myfile.close();
```

Writing into file ... Overwriting

```
ofstream myfile("D:/test.txt");

if(!myfile.is_open()){
    cout<<"Error!"<<endl;
    return -1;
}

myfile << "Data ";
myfile.close();
```

Appending into a file

```cpp
ofstream myfile("D:/test.txt",ios_base::out|
ios_base::app);

if(!myfile.is_open()){
    cout<<"Oops!"<<endl;return -1;
}
myfile << "Data ";
myfile.close();
```

References

https://stackoverflow.com/questions/1452721/why-is-using-namespace-std-considered-bad-practice

https://stackoverflow.com/questions/2393345/how-to-append-text-to-a-text-file-in-c

http://www.cplusplus.com/reference/fstream/ofstream/open/

https://ps.uci.edu/~cyu/p231C/LectureNotes/lecture14:iostreams/lecture14.pdf

http://www.cplusplus.com/reference/fstream/fstream/