

Lecture 8

Files

Reading from a file and writing to it

```
#include <fstream>
```

```
...
```

Reading a file

```
ifstream myfile("D:/hello.txt");  
  
if(!myfile.is_open()){  
    cout<<"Could not read!"<<endl;  
    return -1;  
}  
...
```

Reading a file

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

Writing into file ... Overwriting

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

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

```
myfile << "Data ";
```

Appending into a file

```
ofstream myfile("D:/test.txt", ios_base::out |  
ios_base::app);  
  
if(!myfile.is_open()){  
    cout<<"Oops!"<<endl;return -1;  
}  
myfile << "Data ";
```

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/>