

Misc.

Lecture 13

File I/O

```
#include<fstream>

using namespace std;

main()
{
    int i;
    ofstream examplefile("out.txt");
    if (examplefile.is_open())
    {
        examplefile << "This is a line.\n";
        examplefile << "This is another line.\n";
        examplefile << 1234;
        examplefile << 1234;
        examplefile.close();
    }
}

/*
This is a line.
This is another line.
12341234
*/
```

```
#include<fstream>
using namespace std;
main()
{
    int i=0;
    ofstream examplefile;
    examplefile.open("out2.txt");
    if (examplefile.is_open())
    {
        while(i<100)
        {
            examplefile << i*i << endl;
            i=i+1;
        }
    }
}

/* First few lines:
0
1
4
9
16
*/
```

```

#include<fstream>
#include<iostream>

using namespace std;

main()
{
    int i=0;
    int list[100];
    ifstream examplefile;
    examplefile.open("out2.txt");
    if (examplefile.is_open())
    {
        while((i<100) && !examplefile.fail())
        {
            examplefile >> list[i] ;
            i=i+1;
        }
    }
    cout << list[4] << endl;
}

```

```

#include<iostream>
using namespace std;

main()
{
    char c='a';
    cout << "Echo\n";
    while(c != '\n')
    {
        cin.get(c);
        cout.put(c);
        //cout << c;
    }
    cout << "done\n";
}

```

```

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using namespace std;

main()
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    if (examplefile.is_open())
    {
        examplefile << "This is a line.\n";
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        examplefile << 1234;
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        examplefile.close();
    }
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/*
This is a line.
This is another line.
12341234
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