

MIT WORLD PEACE UNIVERSITY

Computer Networks
Second Year B.Tech Semester 3
Academic Year 2022-23

MODULE 4
FILE IO STREAMS

NOTES

Prepared By
P34. Krishnaraj Thadesar

Batch A2
November 29, 2022

Contents

1	Types of Common Files	2
2	Important Class Names and Their functions	2
3	Usual Procedure	2

1 Types of Common Files

1. ASCII Text File, where data is stored in ASCII Character, its processed sequentially in forward direction. As usual EOF is present at the end of every file.
2. Binary File: Is stored in Binary format, and is processed randomly.

2 Important Class Names and Their functions

1. istream has functions like gt, getline and read(), contains the » operator.
2. ostream contains put, write and «
3. iostream has both.
4. fstream has both read and write, which is basically ifstream and ofstream, which has the open() function.
5. ifstream has get(), getline(), read(), seekg(), tellg().
6. fstream contains put(), seekp(), tellp(), write().

3 Usual Procedure

The Way to deal with something like this is to first include the fstream file your file, ifstream and ofstream depending on whether or not you wanna save space or not. You then create objects of the ofstream, ifstream class. You then open the file, do the operations, and then CLOSE the file.

```
1  #include <fstream>
2  ofstream fout;
3  ifstream fin;
4  fin.open("a.txt", "r"); // or with a constructor when making the object.
5  ofstream another_fout("a.txt");
6
7  fout.open("b.txt", "w");
8
9  // do some reading and writing to your files.
10
11 fin.close();
12 fout.close();
```