

Tutorial 10: File Operation in C++

Like Input/Output operation you need → `iostream` library.

Same way for file operation you required → `fstream` library.

`Fstream` library contains three important class, which are used to create, write or read files:

Class Description

`ofstream` Creates and writes to files (WRITE)

`ifstream` Reads from files (READ)

`fstream` A combination of `ofstream` and `ifstream`: creates, reads, and writes to files (W + R)

Example:1

Write File operation (use either `ofstream` class.

```
#include<iostream>
```

```
#include<fstream>
```

```
using namespace std;
```

```
int main()
```

```
{
```

```
    //Create object of file library and provide name
```

```
    ofstream myfile("my_c_plus.txt");
```

```
    //Pass info to file
```

```
    myfile << "This sentence is written from C++ code Nice!!";
```

```
//close the file  
myfile.close();  
  
cout<< "Programm completed !!";  
  
return 0;  
}
```

It is considered good practice, and it can clean up unnecessary memory space.

Why close file ?? It is considered good practice, and it can clean up unnecessary memory space.

Read File

For read the file content, required **getline()** function from ifstream class.

```
#include<iostream>  
  
#include<fstream> //Library for file handelling  
  
using namespace std;  
  
int main()  
{  
    //Create object of file library and file name which you want to read  
    ifstream myfile("my_c_plus.txt");  
  
    //Create variable to store data  
    string data0;
```

```
    while(getline(myfile,data0)) //File name,where to store  
    {
```

```
cout << data0;  
}  
//close the file  
myfile.close();  
  
cout << "Programm completed !!";  
return 0;  
}
```