**ASSIGNMENT 8**

**PROBLEM STATEMENT:**

Write a C++ program that creates an output file, writes information to it, closes the file and open it again as an input file and read the information from the file.

**AIM OF ASSIGNMENT:**

C++ Program to implement and understand the concepts of file handling. Use of fstream class and various function included in it.

**DESCRIPTION:**

In this program, we included the fstream class, we created a file and opened it using file.open(), we wrote data into it using ‘file<<’, we closed the file using file.close(), we opened it again and read the data from the created using ‘file>>’. We also used the function ‘file.eof() to read the all the contents of the file till its end.

**OOP CONCEPT USED:**

* fstream class
* member functions like:

1. file.open()
2. file.close()
3. file.eof()

* file operators (<<), (>>)

**Sourcecode:**

**#include<iostream>**

**#include<fstream>**

**using namespace std;**

**int main()**

**{**

**char ch;**

**fstream f;**

**f.open("Info.txt",ios::out);**

**if(!f)**

**{**

**cout<<"Enter the opening file";**

**return 0;**

**}**

**cout<<"file name Info.txt created !!!"<<endl;**

**f<<"Name- Suraj, SY-BTECH Computer A , batch A-2, VIIT pune "<<endl;**

**f.close();**

**f.open("Info.txt",ios::in);**

**if(!f)**

**{**

**cout<<"Error opening file"<<endl;**

**return 0;**

**}**

**while(!f.eof())**

**{**

**f>>ch;**

**cout<<ch;**

**}**

**f.close();;**

**return 0;**

**}**

**Output:**

**file name Info.txt created !!!**

**Name-Suraj,SY-BTECHComputerA,batchA-2,VIITpunee**

**CONCLUSION:**

Hence, we learnt the concept of file handling in c++, we created a file , wrote data into it and read the data from it.