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**ASSIGNMENT NO: 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:**

Files:- Files are the collection of related data stored in a particular area on the disk. Programs can be written to perform read and write operations on these files. The list of file classes are:

Ofstream:- This file handling class in C++ signifies the output file stream and is applied to create files for writing information to files

Ifstream: This file handling class in C++ signifies the input file stream and is applied for reading information from files

Fstream: This file handling class in C++ signifies the file stream generally, and has the capabilities for representing both ofstream and ifstream.

**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.