**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:** Understand the concept of file reading and writing

**Description:**

1. **Ofstream:** This data type represents the output file stream and is used to create files and to write information to files.
2. **Ifstream:** This data type represents the input file stream and is used to read information from files.
3. **Fstream:** This data type represents the file stream generally, and has the capabilities of both ofstream and ifstream which means it can create files, write information to files, and read information from files

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| **Sr.No** | **Mode Flag & Description** |
| 1 | **ios::app**  Append mode. All output to that file to be appended to the end. |
| 2 | **ios::ate**  Open a file for output and move the read/write control to the end of the file. |
| 3 | **ios::in**  Open a file for reading. |
| 4 | **ios::out**  Open a file for writing. |
| 5 | **ios::trunc**  If the file already exists, its contents will be truncated before opening the file. |
| 6 | **void close();**  Closing File |

**OOP Concept Used:**

1. Vector

**Conclusion:** In this experiment we have learnt regarding new concepts OOP Of Vector