

Assignment - 7

Name: Tanmay Karmarkar
Roll No : 22121143

Performance Date:
Submission Date:

Problem Statement :

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

Objectives :

To learn concept of file handling

Theory :

Stream :

A stream is a sequence of bytes. It acts as source from which input data can be obtained OR as a destination to which data can be sent.

Input Stream :

These are used to hold input from data producer, such as keyboard, a file OR a network.

Output Stream :

These are used to hold output for a data consumer, like a monitor.

Iostream standard library provides cin & cout methods for reading from standard input & writing to standard output.

1. **ofstream:** Represents output file stream & writes to a file.
2. **ifstream:** Represents input file stream & reads from file.

Algorithm:

1. Start
2. Create functions for reading a file, writing in a file, appending to a file.
3. Take input from user for operation to be performed.
4. Ask user whether he wants to continue.
5. Stop.

Test Cases

Description	Input	Exp O/P	Act. O/P	Result
1. wrong opt	6	Invalid choice	Invalid choice	Pass
2. Read	3	-	-	Pass
3. Write	1	-	-	Pass
4. Append	2	-	-	Pass
5. Exit	4	Thank You	Thank You	Pass

Conclusion:

We learnt file handling & concepts of stream in this program.