**Gr no 21810819**

**Assignment No:8**

**Program 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 :**

To implement 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.

**Description:**

fstream class is used to handling the file operation. This Stream class can be used for both read and write to files. Creating a file using open() method and close it using close() method.

**OOP concept used:**

Open a file: Generally, the first operation performed on an object of one of these classes is to associate it to a real file. This procedure is known to open a file. Open() method is used to open a file.

Syntax: void open(const char\* filename, ios::openmode mode);

in and out mode specify the file mode i.e in used to read a file.

out is used to write on file.

Close a file: It is simply done with the help of close() function.

Syntax: File Pointer.close().

**Code :**

#include <iostream>

#include <fstream>

using namespace std;

int main()

{

fstream file; //object of fstream class

//opening file "sample.txt" in out(write) mode

file.open("sample.txt",ios::out);

if(!file)

{

cout<<"Error in creating file!!!"<<endl;

return 0;

}

cout<<"File created successfully."<<endl;

//write text into file

file<<"Surabhi Barve.";

//closing the file

file.close();

//again open file in read mode

file.open("sample.txt",ios::in);

if(!file)

{

cout<<"Error in opening file!!!"<<endl;

return 0;

}

//read untill end of file is not found.

char ch; //to read single character

cout<<"File content: ";

while(!file.eof())

{

file>>ch; //read single character from file

cout<<ch;

}

file.close(); //close file

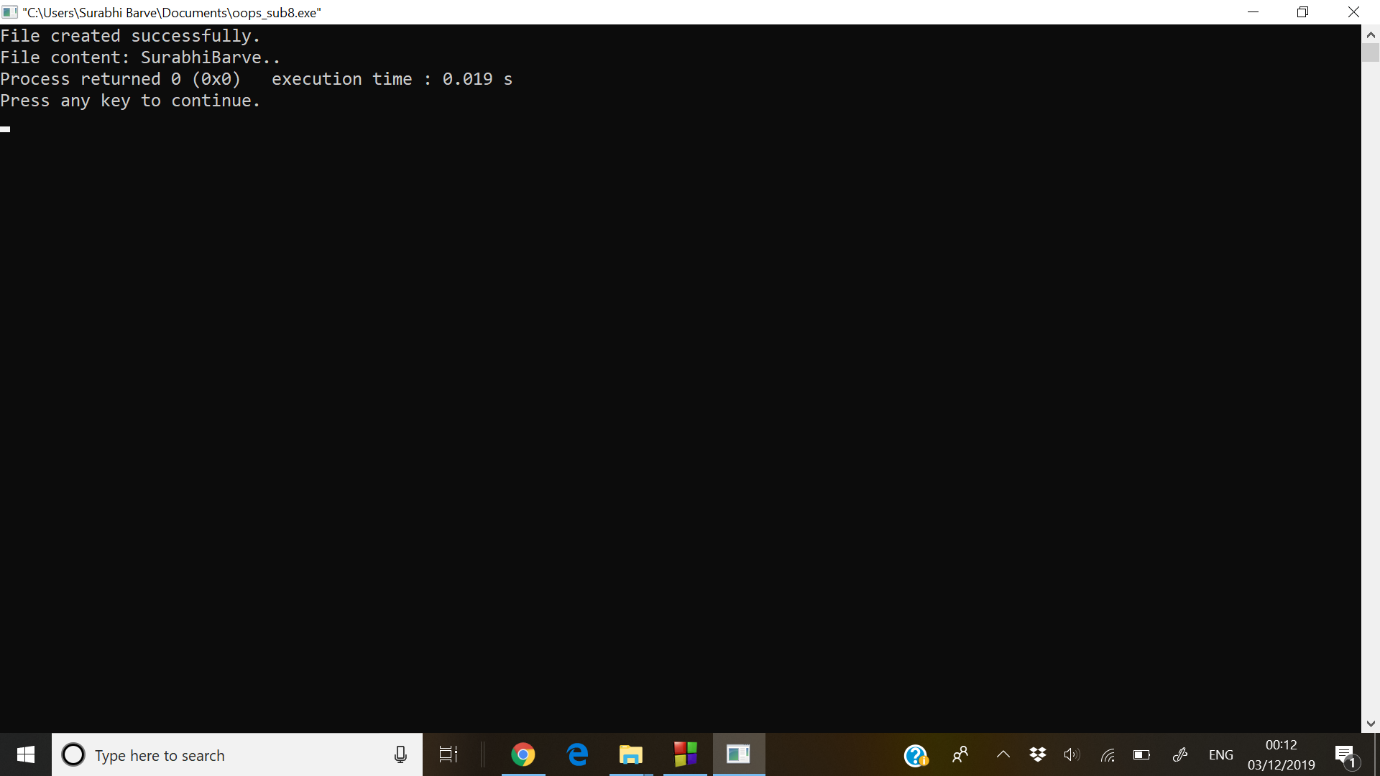
return 0;

}

**Conclusion:**

Implementing the file operations successfully.

**Screenshot:**

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