```cpp
/*
write a cpp program that creates an output file, writes a information on it,
closes the file and open it again as an input file and read the information from
the file
*/
#include <iostream>
#include <fstream>
 using namespace std;
  int main ()
 {
    char name[80];
    string data;

    cout<<"Enter name of file to create\n";
    cin>>name;
// open a file in write mode.
  ofstream fw;
    fw.open(name);
                if(!fw)
                  {
                    cout<<"Error opening file\n";
                    exit(1);
                  }
                cout << "Writing to the file\n" << endl;
                cout << "Enter contents for file end with ctrl+D\n";

                 while(getline(cin,data))
                 {
                  if(data == "^D")
                     break;
                  // write inputted data into the file.
                 fw<< data << endl;
                 }
                 // close the opened file.
    fw.close();
          // open a file in read mode.
    ifstream fr;
    fr.open(name);
                if(!fr)
                {
                    cout<<"Error opening file!! \n";
                    exit(1);
                }
          cout << "\nReading from the file" << endl;
                while(fr)
                {
                getline(fr,data);
                // write the data at the screen.
                cout << data << endl;
                }
                // close the opened file.
   fr.close();
  return 0;
 }
 /*
 OUTPUT
dell@ghe1de-saurabh16-12-99:~$ g++ m.cpp
dell@ghe1de-saurabh16-12-99:~$ ./a.out
Enter name of file to create
sample.txt
Writing to the file

Enter contents for file end with ctrl+D
This is a object orineted programming language c++.
Thank you!
Reading from the file
```

```
This is a object orineted programming language c++.
Thank you!

 */
```