

Q1. WAP to write and display the data in file. (File handling in C)

```
#include <iostream>
#include <fstream>

using namespace std;

// Writing into a .txt file
void writeTo(string fileName){
    ofstream fout;

    try{
        fout.open(fileName, ios::out | ios::app);

        string input;
        string line;

        cout << "Enter contents that need to be added to file:\n\n";

        while(getline(cin, line))
        {
            if (line == "-1") // to indicate that this is the end of the input
                break;

            input += line + "\n";
        }

        fout << input;

        cout << "\nFinished writing to file.\n\n";
        fout.close();
    }

    catch(const ofstream::failure& e) {
        cout << "Exception opening/writing to file";
    }
}
```

```
// Reading from a .txt file
void readFrom(string fileName){
    ifstream fin;

    try {
        fin.open(fileName, ios::in);

        string output;

        while(getline(fin, output))
        {
            cout << output << "\n";
        }

        cout << "\nFinished reading from file.\n";

        fin.close();
    }

    catch (const ifstream::failure& e) {
        cout << "Exception opening/reading file";
    }
}

int main(){

    string fileName;
    cout << "Enter file name: ";
    cin >> fileName;

    writeTo(fileName);
    readFrom(fileName);

    return 0;
}
```

Output

```
vaidehee@penguin:~/sem-4/mma$ g++ -o filehandling filehandling.cpp
vaidehee@penguin:~/sem-4/mma$ ./filehandling
Enter file name: hello.txt
Enter contents that need to be added to file:

Hello
hii
I am Vaidehee
-1

Finished writing to file.

Hello
hii
I am Vaidehee

Finished reading from file.
vaidehee@penguin:~/sem-4/mma$
```