1)

```cpp
#include "bits/stdc++.h"

using namespace std;

int main()
{
    ofstream f1("file1.txt");
    cout << "Enter 5 Elements\n";
    for (int i = 0; i < 5; i++)
    {
        int n;
        cin >> n;
        f1 << n;
    }
    f1.close();
    f1.open("file2.txt", ios::out);
    cout << "Enter 3 Elements\n";
    for (int i = 0; i < 3; i++)
    {
        int n;
        cin >> n;
        f1 << n;
    }

    f1.close();

    ifstream f("file1.txt");

    vector<int> v1;

    while (f.good())
    {
        int n;
        char c;
        f.get(c);
        n = (int)c - 48;
        v1.push_back(n);
    }
    v1.pop_back();

    f.close();

    f.open("file2.txt");

    while (f.good())
    {
        int n;
        char c;
        f.get(c);
        n = (int)c - 48;
        v1.push_back(n);
    }
    v1.pop_back();
    f.close();

    f1.open("file3.txt", ios::out);

    sort(v1.begin(), v1.end());

    for (int i = 0; i < 8; i++)
    {
        f1 << v1[i];
    }

    cout << "Contents of file 3\n";
    for (int i = 0; i < v1.size(); i++)
    {
        cout << v1[i] << "\t";
    }
}
```

o/p :

2)

```cpp
#include "bits/stdc++.h"

using namespace std;
class TeleDir
{
private:
    string name;
    int phone;

public:
    void getUserName()
    {
        cout << "Enter User Name\n";
        cin >> name;
    }
    void getPhoneNumber()
    {
        cout << "Enter New Phone Number\n";
        cin >> phone;
    }

    int registerUser()
    {
        if (1)
        {
            ofstream f("teleDir_data//" + name +
".txt");
            f << phone;
            f.close();
            return 1;
        }
        else
            return 0;
    }

    int searchAndUpdate(string name_s)
    {
        ifstream f1("teleDir_data//" + name_s +
".txt", ios::in);
```

```cpp
        if (f1)
        {
            ofstream f("teleDir_data//" + name_s + ".txt");
            cout << "Enter New Phone Number\n";
            int n;
            cin >> n;
            f << n;
            f.close();
            f1.close();
            return 1;
        }
        else
            return 0;
    }
    TeleDir()
    {
    }
};
int main()
{
    TeleDir t;
    int c;
    do
    {
        cout << "1: Register \n2:Search and Update\n0:EXIT\n";
        cin >> c;
        switch (c)
        {
        case 1:
        {
            t.getUserName();
            t.getPhoneNumber();
            if (t.registerUser())
            {
                cout << "Successfully Registered Phone Number\n";
            }
            else
                cout << "Registration Phone Number Unsuccessful\n";
        }
        break;
        case 2:
        {
            string s;
            cout << "Enter User Name\n";
            cin >> s;
            if (t.searchAndUpdate(s))
            {
                cout << "Phone Number Edited Successfully\n";
            }
            else
                cout << "Name does not Exists in dir\n";
        }
        default:
            break;
        }
    } while (c);
}
```

O/P :