1CR18IS151

Program:

```
#include <iostream>
#include <string.h>
#include <fstream>
#include <stdlib.h>
using namespace std;
fstream f1, f2, f3;
void createlists()
    int n, m;
    char name[20];
    f1.open("File1.txt", ios::out);
    f2.open("File2.txt", ios::out);
    if ((!f1) || (!f2))
        cout << "Unable to open the files.";</pre>
        exit(0);
    cout << "Enter the number of names in File 1: ";</pre>
    cout << "Enter the number of names in File 2: ";</pre>
    cin >> m;
    int i;
    cout << "Enter the names in File1: " << endl;</pre>
    for (i = 0; i < n; i++)
        cin >> name;
        f1 << name;
        f1 << "\n";
    cout << "Enter the names in File2:" << endl;</pre>
    for (i = 0; i < m; i++)
        cin >> name;
        f2 << name;
        f2 << "\n";
    f1.close();
    f2.close();
void coseqmatch()
```

```
char list1[50][20], list2[60][20];
f1.open("File1.txt", ios::in);
f2.open("File2.txt", ios::in);
f3.open("File3.txt", ios::out);
if ((!f1) || (!f2) || (!f3))
    cout << "Unable to create files";</pre>
    exit(0);
int n, m = 0;
n = 0;
cout << "Elements in list 1:\n"</pre>
     << endl;
while (!f1.eof())
    f1.getline(list1[n], 20);
    cout << list1[n] << "\n";</pre>
    n++;
cout << "Elements in list 2:\n"</pre>
     << endl;
while (!f2.eof())
    f2.getline(list2[m], 20);
    cout << list2[m] << "\n";</pre>
    m++;
int i, j, k;
i = j = 0;
k = 0;
cout << "Common names: \n"</pre>
     << endl;
while (i < n - 1 || j < m - 1)
    if (strcmp(list1[i], list2[j]) == 0)
        f3 << list1[i] << "\n";
        cout << "File 3 has " << list1[i] << "\n";</pre>
        i++;
        j++;
        k++; //counter for the third file
    else if (strcmp(list1[i], list2[j]) < 0)</pre>
        i++;
    else
        j++;
```

Program Screenshots:

```
| The first Selection | Vew | On | Run | New | Selection | New | On | Run | New | Selection | New | On | Run | New | On | Selection | New | New | On | Selection | New | New | New | On | Selection | New |
```

```
| The full Selection View Go Run | Neminal | Neth | Propagal | Pr
```

Output Screenshots:

```
sooraj@Asus-F-15:~/FS lab/Program 7$ ./a.out
Enter the number of names in File 1: 3
Enter the number of names in File 2: 2
Enter the names in File1:
sooraj
singh
maniram
Enter the names in File2:
akshay
anirudh
Elements in list 1:
sooraj
singh
maniram
Elements in list 2:
akshay
anirudh
Common names:
There are no common elements.
```

```
sooraj@Asus-F-15:~/FS lab/Program 7$ ./a.out
Enter the number of names in File 1: 3
Enter the number of names in File 2: 2
Enter the names in File1:
sooraj
akshay
veena
Enter the names in File2:
maniram
veena
Elements in list 1:
sooraj
akshay
veena
Elements in list 2:
maniram
veena
Common names:
File 3 has veena
```