

Visual Studio Code interface showing a C++ program in Program1.cpp, running in a WSL (Ubuntu-20.04) environment. The Explorer sidebar shows the file structure, including Program1.cpp, a.out, and output files. The main editor displays the source code, which includes headers, namespace std, and a function strev that reverses a string. The main function prompts the user for input filename, number of names, and the names themselves, and writes them to a file.

```
Program1.cpp > main()
1  #include<iostream>
2  #include<string.h>
3  #include<fstream>
4  #include<stdlib.h>
5
6  using namespace std;
7  char * strev(char *name1)
8  {
9      int l,i,j;
10     char temp;
11     l = strlen(name1);
12     i=0;
13     j=l-1;
14     while(i<j)
15     {
16         temp = name1[i];
17         name1[i]=name1[j];
18         name1[j]=temp;
19         i++;
20         j--;
21     }
22     return name1;
23 }
24 int main()
25 {
26     fstream f1,f2;
27     char fnam1[15],fnam2[15],names[15],temp[15];
28     int n,i=0;
29     cout<<"Enter the input filename: ";
30     cin>>fnam1;
31     f1.open(fnam1,ios::out);
32     cout<<"Enter the number of names: ";
33     cin>>n;
34     cout<<"Enter the names: ";
35     while (i<n)
36     {
37         cin>>names;
38         f1<<names<<endl;
```

WSL: Ubuntu-20.04 0 0 0

Ln 38, Col 22 Spaces: 4 UTF-8 LF C++ Linux 13:54 04-05-2021

Visual Studio Code interface showing a C++ program in a WSL environment (Ubuntu-20.04).

**EXPLORER:**

- OPEN EDITORS
  - Program1.cpp
- FS LAB [WSL: UBUNTU-20.04]
  - .vscode
    - a.out
    - Output-file-1
    - Output-file-2
    - Program1.cpp
- OUTLINE

**Program1.cpp:**

```
23 }
24 int main()
25 {
26     fstream f1,f2;
27     char fnam1[15],fnam2[15],names[15],temp[15];
28     int n,i=0;
29     cout<<"Enter the input filename: ";
30     cin>>fnam1;
31     f1.open(fnam1,ios::out);
32     cout<<"Enter the number of names: ";
33     cin>>n;
34     cout<<"Enter the names: ";
35     while (i<n)
36     {
37         cin>>names;
38         f1<<names<<endl;
39         i++;
40     }
41     f1.close();
42     cout<<"Enter the output file name: ";
43     cin>>fnam2;
44     f2.open(fnam2,ios::out);
45     f1.open(fnam1,ios::in);
46     i=0;
47     while(i<n)
48     {
49         f1>>temp;
50         f2<<strev(temp)<<endl;
51         i++;
52     }
53     f1.close();
54     f2.close();
55     return 0;
56 }
```

**Status Bar:** WSL: Ubuntu-20.04 0 0 0 Ln 38, Col 22 Spaces: 4 UTF-8 LF C++ Linux 13:54 04-05-2021

```
sooraj@Asus-F-15:~/FS lab$ g++ Program1.cpp
```

```
sooraj@Asus-F-15:~/FS lab$ ./a.out
```

```
Enter the input filename: File1
```

```
Enter the number of names: 2
```

```
Enter the names: Sooraj
```

```
Singh
```

```
Enter the output file name: File2
```

```
sooraj@Asus-F-15:~/FS lab$
```





