

Philip Pesic

Week 16

December 5 2022

Week 16 Prog 4

Write a program that asks the user for the number of times to input some first names.

Open a file for output, called savedNames.txt.

Write a loop that reads in the user inputted first names, one at a time, the number of times specified.

Each time a name is entered by the user, write the name to the savedNames file.

Close the file.

```
//
```

```
// main.cpp
```

```
// Week 16 Prog 4
```

```
//
```

```
// Created by Pippo Pesic on 11/28/22.
```

```
//
```

```
#include <iostream>
```

```
#include <string>
```

```
#include <fstream>
```

```
using namespace std;
```

```
int main() {
```

```
    int amount;
```

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```
    string name;

    ofstream fout;

    fout.open("/Users/pippo/Desktop/Week 16 Prog 4/savedNames.txt");

    cout << "Enter number of names to input: ";

    cin >> amount;


    for (int i = 0; i < amount; i++) {

        cout << "Enter name: ";

        cin >> name;

        fout << name << endl;

    }

    cout << "Philip Pesic 12/5/22" << endl;

    return 0;

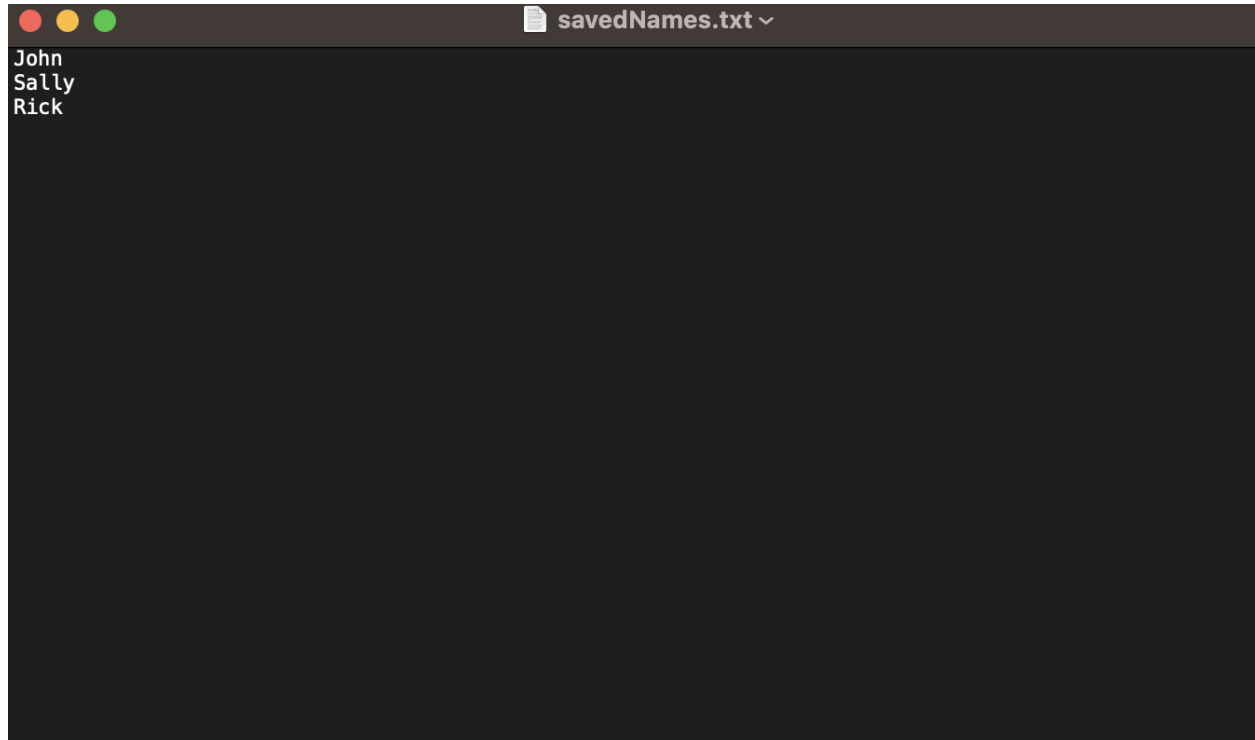
}
```

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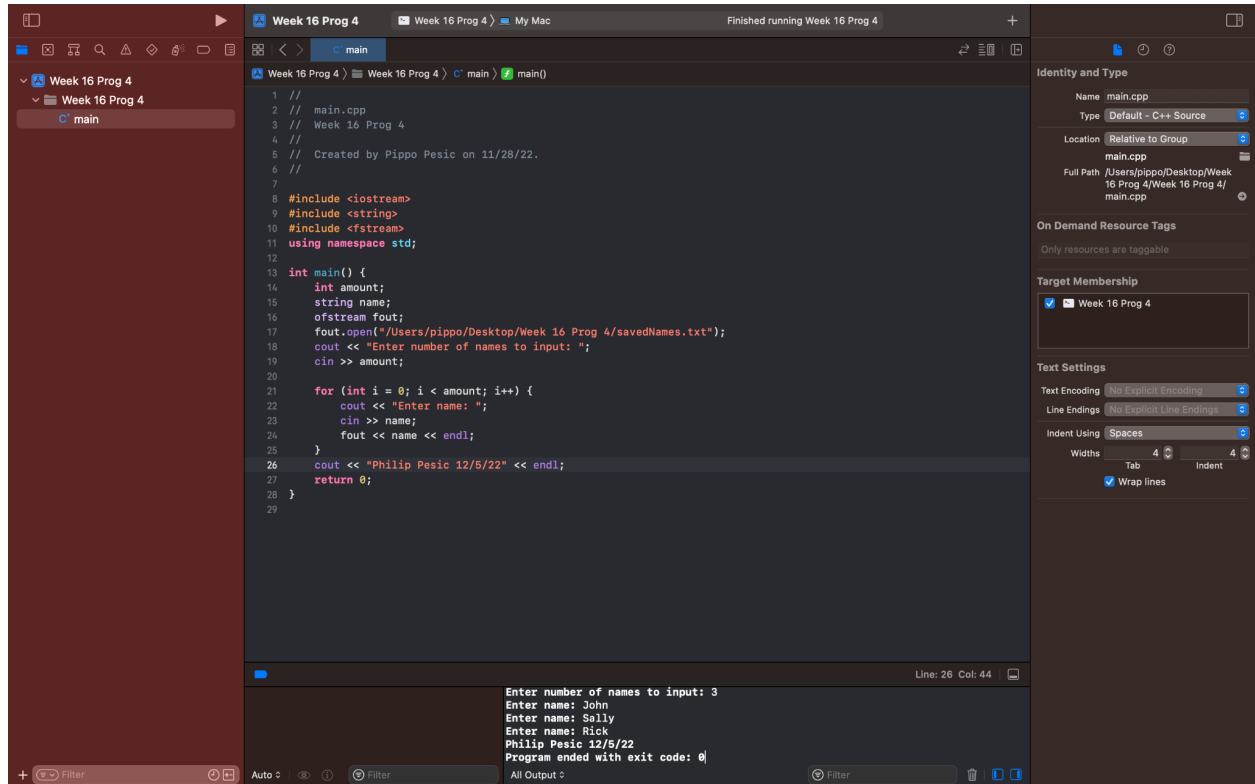


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The screenshot shows a C++ IDE with a project named "Week 16 Prog 4". The main.cpp file contains the following code:

```
1 //  
2 // main.cpp  
3 // Week 16 Prog 4  
4 //  
5 // Created by Pippo Pesic on 11/28/22.  
6 //  
7 //  
8 #include <iostream>  
9 #include <string>  
10 #include <fstream>  
11 using namespace std;  
12  
13 int main() {  
14     int amount;  
15     string name;  
16     ofstream fout;  
17     fout.open("/Users/pippo/Desktop/Week 16 Prog 4/savedNames.txt");  
18     cout << "Enter number of names to input: ";  
19     cin >> amount;  
20  
21     for (int i = 0; i < amount; i++) {  
22         cout << "Enter name: ";  
23         cin >> name;  
24         fout << name << endl;  
25     }  
26     cout << "Philip Pesic 12/5/22" << endl;  
27     return 0;  
28 }  
29
```

The output window shows the program's execution:

```
Enter number of names to input: 3  
Enter name: John  
Enter name: Sally  
Enter name: Rick  
Philip Pesic 12/5/22  
Program ended with exit code: 0
```

I learned: how to make files interactive for a user