

Write a C Program to Sort a stack using a temporary stack

```
#include <bits/stdc++.h>

using namespace std;

stack<int> sortStack(stack<int> &input)
{
    stack<int> tmpStack;

    while (!input.empty())
    {
        int tmp = input.top();
        input.pop();
        while (!tmpStack.empty() && tmpStack.top() > tmp)
        {
            input.push(tmpStack.top());
            tmpStack.pop();
        }
        tmpStack.push(tmp);
    }

    return tmpStack;
}

int main()
{
    stack<int> input;

    input.push(34);
```

```

input.push(3);

input.push(31);

input.push(98);

input.push(92);

input.push(23);

stack<int> tmpStack = sortStack(input);

cout << "Sorted numbers are:\n";

while (!tmpStack.empty())
{
    cout << tmpStack.top() << " ";
    tmpStack.pop();
}
}

```

