

Stack:

main.cpp	Output
<pre>1 #include &lt;iostream&gt; 2 #include &lt;string&gt; 3 #include &lt;stack&gt; 4 using namespace std; 5 6 void display(stack&lt;string&gt; pl); 7 8 int main() { 9     stack&lt;string&gt; pl; 10    cout&lt;&lt;"Push element into stack:" &lt;&lt;endl; 11    //add items to the stack 12    pl.push("C++"); 13    pl.push("Java"); 14    pl.push("Python"); 15 16    if (!pl.empty()) { 17        pl.pop(); 18        display (pl); 19    }else{ 20        cout&lt;&lt; "The elements have been popped"&lt;&lt;endl; 21    } 22    return 0; 23 } 24 25 void display(stack&lt;string&gt; pl) { 26     while (!pl.empty()) { 27         cout &lt;&lt; pl.top() &lt;&lt; endl; 28         pl.pop(); 29     } 30 } 31</pre>	<pre>/tmp/sKtkmo98pe.o Push element into stack: Java C++  === Code Execution Successful ===</pre>

C/C++

```
#include <iostream>
#include <stack>
using namespace std;

void display(stack<string> pl);

int main()
{
    stack<string> pl;
    cout<<"Push elements into stack:" <<endl;
    //add items to the stack
    pl.push ("C++");
    pl.push ("Java");
    pl.push ("Python");
    cout<<"Initial Stack:"<< endl;
    display (pl);
    cout<<"\n" <<"Find Stack:";
    pl.pop();
    return 0;
}
```

```

void display(stack<string>p1)
{
    while (!p1.empty()){
        cout << p1.top() << endl;
        p1.pop();
    }
}

```

Queue:

```

C/C++
#include <iostream>
#include <string>
#include <queue>
using namespace std;

void display(queue<string> p1);

int main() {
    queue<string> p1;
    cout<<"Push element into queue:" <<endl;
    //add items to the queue
    p1.push("C++");
    p1.push("Java");
    p1.push("Python");

    cout << "Initial Queue: " << endl;
    display(p1);

    if (!p1.empty()) {
        p1.pop();
        cout << "Queue after popping an element:" << endl;
        display (p1);
    } else {
        cout << "The queue is empty." << endl;
    }

    return 0;
}

void display(queue<string> p1) {

```

```
queue<string> temp = p1;  
while (!temp.empty()) {  
    cout << temp.front() << " ";  
    temp.pop();  
}  
}
```