```
// std::deque demo by Eduardo Corpeño

#include <iostream>
#include <deque>

using namespace std;

int main(){
	deque<int> numbers;
	int temp=0;

	cout<<"Pushing Back...\n";
	while(temp>=0){
		cout<<"Enter Number: ";
		cin>>temp;
		if(temp>=0)
			numbers.push_back(temp);
	}

	deque<int>::iterator it;
	cout<<"{  ";
	for(it = numbers.begin(); it!=numbers.end(); it++)
		cout<<*it<<"  ";
	cout<<"}";

	temp=0;
	cout<<endl;
	cout<<"Pushing Front...\n";
	while(temp>=0){
		cout<<"Enter Number: ";
		cin>>temp;
		if(temp>=0)
			numbers.push_front(temp);
	}

	cout<<"{  ";
	for(it = numbers.begin(); it!=numbers.end(); it++)
		cout<<*it<<"  ";
	cout<<"}";



	return 0;
}
```

```
// std::stack demo by Eduardo Corpeño
#include <iostream>
#include <stack>
using namespace std;
int main(){
	stack<int> numbers;
	int temp;

	cout<<"Pushing...\n";
	while(temp>=0){
		cout<<"Enter numbers: ";
		cin>>temp;
		if(temp>=0)
			numbers.push(temp);
	}

	cout<<"{  ";
	while(numbers.size()>0){
		cout<<numbers.top();
		numbers.pop();
		cout<<"  ";
	}
	cout<<"}";
	return 0;
}
```

```
// std::queue demo by Eduardo Corpeño
#include <iostream>
#include <queue>
using namespace std;
int main(){
	queue<int> numbers;
	int temp;
	cout<<"Pushing...\n";
	while(temp>=0){
		cout<<"Enter numbers: ";
		cin>>temp;
		if(temp>=0)
			numbers.push(temp);
	}
	cout<<"{  ";
	while(numbers.size()>0){
		cout<<numbers.front();
		numbers.pop();
		cout<<"  ";
	}
	cout<<"}";
	return 0;
}
```

```
// std::priority_queue demo by Eduardo Corpeño
#include <queue>
int main(){
	priority_queue<int> numbers;
	int temp;

	cout<<"Pushing...\n";
	while(temp>=0){
		cout<<"Enter numbers: ";
		cin>>temp;
		if(temp>=0)
			numbers.push(temp);
	}

	cout<<"{  ";
	while(numbers.size()>0){
		cout<<numbers.top();
		numbers.pop();
		cout<<"  ";
	}
	cout<<"}";
	return 0;
}
// Back Button by Eduardo Corpeño
// stack usage example

#include <stack>
int main(){
	stack<string> back_stack;
	string temp;
	while(temp!="exit"){
		cout<<"[1] Visit URL   [2] Back"<<endl;
		cin>>temp;
		if(temp=="exit")
			break;
		if(temp=="1"){
			cout<<"Enter URL: ";
			cin>>temp;
			back_stack.push(temp);
		}
		else if(temp=="2"){
			cout<<"Going back...\n";
			back_stack.pop();
		}
		if(back_stack.empty())
			break;
		cout<<"Current URL:
"<<back_stack.top()<<endl;
	}
	return 0;
}
```

```
// Back and Forward Buttons
// stack usage challenge by Eduardo Corpeño


#include <iostream>
#include <stack>

using namespace std;

int main(){
	stack<string> back_stack;
	stack<string> fwd_stack;
	string temp;

	while(temp!="exit"){
		cout<<"[1] Visit URL  [2] Back  [3] Forward"<<endl;
```

TRY YOUR OWN

```
	}
```