Deque Exercises

Deque

- Describe the main differences between a deque and a vector

- Convert the sample code on Page Two into a full working program. What output do you expect to see?

Deque example

```cpp
deque<int> dq{4, 2, 3, 5, 1};

dq.push_back(4);
dq.push_back(2);
dq.push_front(1);        // Add element with value 1 before all the other elements
dq.push_front(5);        // Add element before all the other elements, including element 1
dq.push_front(3);        // Add element before all the other elements, including element 5

for (auto it: dq) {
    cout << it << ",";
}
```