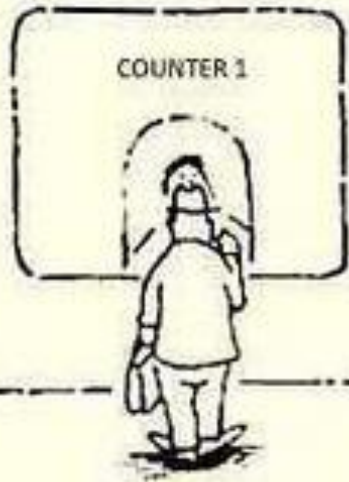
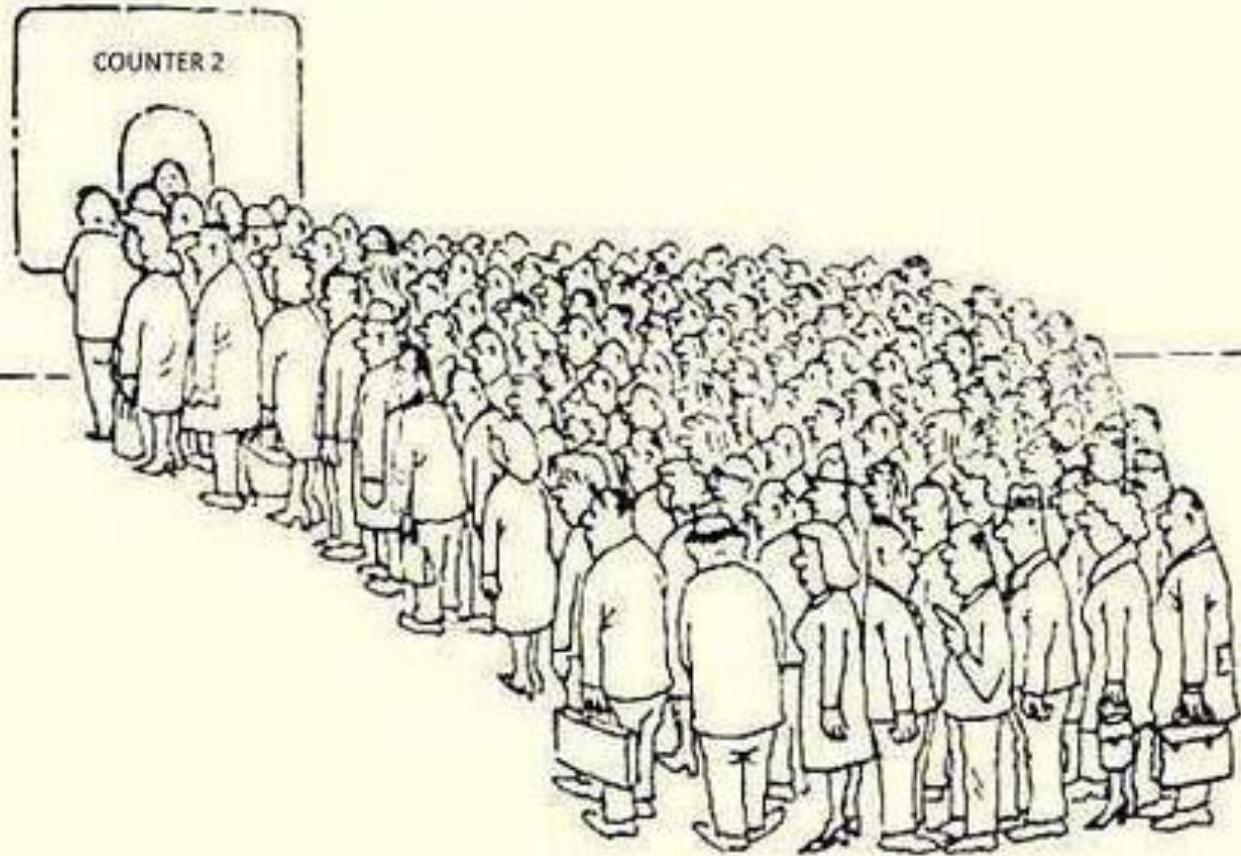


Topic 4. «STL queue»

THOSE WHO HAVE TIME:
STAND IN LINE HERE



THOSE WHO DON'T HAVE TIME:
STAND IN LINE HERE



What is queue?

- Queue is a type of container adaptor, specifically designed to operate in a FIFO context (first-in first-out), where elements are inserted into one end of the container and extracted from the other.
- Elements are pushed into the "back" of the specific container and popped from its "front".

Declaration

```
#include <queue>
```

```
queue <int> q;
```

How to access elements?



Methods

- `size()` – the number of elements in queue;
- `back()` – the last added element;
- `front()` – the first added element;
- `pop()` – remove the first added element;
- `push(x)` – add element `x` before the `back()` of the stack;



Questions?

