

## EXPERIMENT 12

### ① Implement Stack:

```
#include <iostream>
#include <stack>
using namespace std;
int main()
{
    stack <int> s;
    s.push(10);
    s.push(20);
    s.push(30);
    cout << "Stack top:" << s.top() << endl;
    s.pop();
    cout << "Stack top after pop:" << s.top()
        << endl;

    return 0;
```

Output : Stack top: 30  
Stack top after pop: 10

### ② Implement Queue

```
#include <iostream>
#include <Queue>
using namespace std;
int main()
{
    q.push(100);
    q.push(200);
    q.push(300);
    cout << "queue front:" << q.front() << endl;
```

```
q.pop();  
cout << "Queue front after pop: " << q.front()  
    << endl;
```

```
return 0;  
}
```

Output : Queue front : 700  
Queue front after pop : 200.

x ——— x ——— x

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