

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: ~~30~~ 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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