(682) Baseball Game :-

Logic :-

X : reward store.

'+' : sum previous two scores

'D' : reword double of prev. score

'C' : invalidate prev. score.

```cpp
int calpoints(vector <string> & ops) {
    int len = ops.size();
    stack <int> st;
    int sum = 0;
    int i = 0;

    while (i < len) {
        if (ops[i] == "c") {
            if (!st.empty()) {
                sum -= st.top();
                st.pop();
            }
        }

        else if (ops[i] == "D") {
            if (!st.empty()) {
                int val = 2 * st.top();
                sum += val;
                st.push(val);
            }
        }
```

```
else if ( ops[i] == "+" ) {
    if ( st.size() >= 2) {
        int a = st.top(); st.pop();
        int b = st.top();
        st.push ( a+b);
        sum += (a+b);
    }
}
else {
    int n = stoi (ops[i]);
    sum += n;
    st.push (n);
}
i++;
}
return sum;
}
```