**SOLUTION**

class StockSpanner {

vector<int> spans;

vector<int> prices;

public:

StockSpanner() {

ios::sync\_with\_stdio(false);

std::cin.tie(nullptr);

std::cout.tie(nullptr);

}

int next(int price) {

int i = prices.size() - 1;

while( i >= 0 && prices[i] <= price){

int span = spans[i];

i = i - span;

}

prices.push\_back(price);

int span = prices.size() - 1 - i;

spans.push\_back(span);

return span;

}

};

**TIME COMPLEXITY= O(N)**

**SPACE COMPLEXITY= O(N)**