**Maximizing Profit in Stock Trading**

let prices = [7,1,5,3,6,4,8,9,18]

let prices2 = [2,1,2,1,0,1,2]

let prices3 = [1,2,4,2,5,7,2,4,9,0,9]

function buySell(prices){

    if (prices.length === 0) {

        return 0;

    }

    let i = 0;

    let j = 1;

    let maxDifference = 0;

    let minPrice = prices[0];

    for(let i = 0; i<prices.length; i++){

        if(prices[i]<minPrice){

            minPrice = prices[i];

        }else if(prices[i]-minPrice>maxDifference){

            maxDifference = prices[i]-minPrice

        }

    }

    return maxDifference

}

console.log(buySell(prices))

console.log(buySell(prices2))

console.log(buySell(prices3))