**[Best Time to Buy and Sell Stock](https://leetcode.com/problems/best-time-to-buy-and-sell-stock/)**

**package** leetcodeEasy;

**public** **class** BestTimeToBuySell {

**public** **static** **void** main(String[] args) {

// **TODO** Auto-generated method stub

**int**[] prices = {7,1,5,3,6,4};

System.***out***.println(*maxProfit*(prices));

}

**public** **static** **int** maxProfit(**int**[] prices) {

**if**(prices == **null** || prices.length == 0) {

**return** 0;

}

**int** minStock = Integer.***MAX\_VALUE***;

**int** maxProfit = 0;

**for**(**int** i : prices) {

minStock = Math.*min*(minStock, i);

maxProfit = Math.*max*(maxProfit, i - minStock);

}

**return** maxProfit;

}

}

Time Complexity : O(n) , n is no of elements in array

Space Complexity : O(1), constant space