121. Best Time To Buy Stocks

<https://leetcode.com/problems/best-time-to-buy-and-sell-stock/description/>

class Solution {

/\* TC : O(n) as we are traversing the full array

SC : O(1) as we storing the minPrice and maxProfit values alone

\*/

public int maxProfit(int[] prices) {

int minPrice = Integer.MAX\_VALUE;

int maxProfit = 0;

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

{

if(prices[i]- minPrice > maxProfit)

{

maxProfit = prices[i]- minPrice ;

}

if(minPrice > prices[i])

{

minPrice = prices[i];

}

}

return maxProfit;

}

}