Max Profit for Buying and Selling a Stock – Screen Shot 1

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JS Bin - JS Bin
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// Calculate Max Profit of a given Buy and Sell of a stock (Where Buy occurs before Sell)
                                                                                                                                                           16
 // Input as a space delimited string
var inputStr = "10 7 -3 -10 4 2 8 -2 4 -5 -6";
// Convert input string to an integer-array
var inputArr = inputStr.split(' ').map(Number);
// Remove first element from the array; 1st element = \# of elements in the array var n = inputArr.shift();
// Function to find the max profit for the given sequence
var maxProfitBuySellStock = function(inputArr) {
   var seedDailyPrice = 100001,
    runningSum = 0;
   // Daily price array helps to compare daily min price and max profit
var dailyPriceArr = inputArr.map(function(currVal, idx, a) {
    runningSum += currVal;
    return seedDailyPrice + runningSum;
    // Default price on day[0] that helps calculates the profit or loss on day[1]
dailyPriceArr.unshift(seedDailyPrice);
    //console.log(dailyPriceArr);
   var minPriceSoFar = Number.MAX_VALUE,
    maxProfit = 0,
    maxProfitSellToday = 0,
    dailyPrice = 0;
                                                                                                                                                                                                                                     Bin info
```

Max Profit for Buying and Selling a Stock – Screen Shot 2

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JS Bin - JS Bin
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 // Calculate Max Profit of a given Buy and Sell of a stock (Where Buy occurs before Sell)
                                                                                                                                                                 18
// Input as a space delimited string var inputStr = "12 12 -4 7 -3 -10 4 2 8 -2 4 -5 -6";
// Other test inputs;

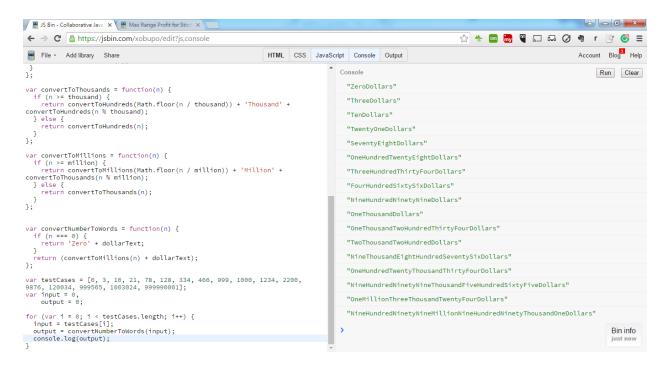
// var inputStr = "10 7 -3 -10 4 2 8 -2 4 -5 -6";

//var inputStr = "8 -4 -5 20 5 4 6 -10 -2";

//var inputStr = "4 -2 -3 10 -3";

//var inputStr = "4 -2 -3 10 -3";
// Convert input string to an integer-array
var inputArr = inputStr.split(' ').map(Number);
// Remove first element from the array; 1st element = # of elements in the array
var n = inputArr.shift();
// Function to find the max profit for the given sequence
var maxProfitBuySellStock = function(inputArr) {
   var seedDailyPrice = 100001,
    runningSum = 0;
    // Daily price array helps to compare daily min price and max profit
var dailyPriceArr = inputArr.map(function(currVal, idx, a) {
    runningSum += currVal;
    return seedDailyPrice + runningSum;
}
    // Default price on day[0] that helps calculates the profit or loss on day[1]
    dailyPriceArr.unshift(seedDailyPrice);
//console.log(dailyPriceArr);
    var minPriceSoFar = Number.MAX_VALUE,
          maxProfit = 0,
maxProfitSellToday = 0,
dailyPrice = 0;
```

Convert Number to Words – Screen Shot 1



Convert Number to Words – Screen Shot 2

```
JS Bin - Collaborative Java ×
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 File - Add library Share
                                                                                     HTML CSS JavaScript Console Output
                                                                                                               Console
                                                                                                                                                                                                         Run Clear
var convertToHundreds = function(n) {
 if (n >= hundred) {
  return ones[Math.floor(n / hundred)] + 'Hundred' + convertToTens(n %
                                                                                                                  "OneThousandTwoHundredThirtyFourDollars"
hundred);
} else {
   return convertToTens(n);
var convertToThousands = function(n) {
  if (n >= thousand) {
    return convertToHundreds(Math.floor(n / thousand)) + 'Thousand' +
  convertToHundreds(n % thousand);
     return convertToHundreds(n);
};
var convertToMillions = function(n) {
  if (n >= million) {
    return convertToMillions(Math.floor(n / million)) + 'Million' +
  convertToThousands(n % million);
  } else {
  return convertToThousands(n);
var convertNumberToWords = function(n) {
   if (n === 0) {
   return 'Zero' + dollarText;
return (convertToMillions(n) + dollarText);
};
var input = 1234;
var output = convertNumberToWords(input);
console.log(output);
```