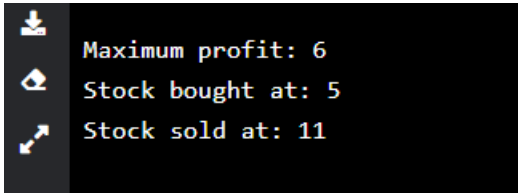


\*\*\*\*\* OUTPUT \*\*\*\*\*



```
Maximum profit: 6
Stock bought at: 5
Stock sold at: 11
```

## CODE

```
/*
```

Online Java - IDE, Code Editor, Compiler

Online Java is a quick and easy tool that helps you to build, compile, test your programs online.

```
*/
```

```
public class Main
```

```
{
```

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

```
        System.out.println("Welcome to Online IDE!! Happy Coding :)");
```

```
        int [] stockPrices = new int[]{9,11,8,5,7,10};
```

```
        int difference;
```

```
        int temp=0;
```

```
        int stockBought=0;
```

```
        int stockSold=0;
```

```
        int length=stockPrices.length;
```

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

```
        {
```

```
            if (i==stockPrices.length-1)
```

```
            {
```

```
                length=stockPrices.length-1;
```

```
            }
```

```
            for (int j=0; j<length;j++)
```

```
            {
```

```
                //System.out.println("Stock price: " + i);
```

```
                if (j==i && j!=stockPrices.length-1)
```

```
                {
```

```
                    j++;
```

```
                }
```

```
                System.out.println("\nInitial stock price: " + stockPrices[i]);
```

```
                System.out.println("Future stock price: " + stockPrices[j]);
```

```
                difference=stockPrices[j]-stockPrices[i];
```

```
                System.out.println("Difference: " + difference);
```

```
        if (difference > temp)
        {
            temp = difference;
            stockBought = stockPrices[i];
            stockSold = stockPrices[j];
        }

    }

    System.out.println("\nMaximum profit: " + temp);
    System.out.println("Stock bought at: " + stockBought);
    System.out.println("Stock sold at: " + stockSold);
}
}
```