

# L05

## UsingArrays.java

```
public class UsingArrays {  
    public static void main(String[] args) {  
        int[] arr = { 3, 7, 13, 18 };  
  
        for (int i = 0; i < arr.length; i++)  
            System.out.println(arr[i] + " squared is " + arr[i] * arr[i]);  
  
        for (int i = 0; i < arr.length; i++) {  
            if (arr[i] < 10)  
                System.out.println(arr[i] + " is less than 10");  
            else if (arr[i] <= 15)  
                System.out.println(arr[i] + " is greater than 10 and less than 15");  
            else  
                System.out.println(arr[i] + " is greater than 15");  
        }  
    }  
}
```

## ArrayTest.java

```
public class ArrayTest {  
    public static void main(String[] args) {  
        int[] arr = { 34, 2, 14, 34, 58, 4 };  
  
        for (int i = 0; i < arr.length; i++)  
            System.out.println(arr[i]);  
  
        int max = 0;  
        for (int i = 0; i < arr.length; i++)  
            if (max < arr[i])
```

```
        max = arr[i];
    System.out.println("The max is " + max);

    int sum = 0;
    for (int i = 0; i < arr.length; i++)
        sum = sum + arr[i];
    System.out.println("The average is " + sum / arr.length);

    int[] newArr = new int[3];

    newArr[0] = arr[1];
    newArr[1] = arr[2];
    newArr[2] = arr[3];

    for (int i = 0; i < newArr.length; i++)
        System.out.println(newArr[i]);
    }
}
```

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