

Find the Largest element in an array

Brute Force :

```
import java.util.*;
```

```
public class tuf {
```

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

```
        int arr1[] = {2,5,1,3,0};
```

```
        System.out.println("The Largest element in the array is: " +  
sort(arr1));
```

```
        int arr2[] = {8,10,5,7,9};
```

```
        System.out.println("The Largest element in the array is: " +  
sort(arr2));
```

```
    }
```

```
    static int sort(int arr[]) {
```

```
        Arrays.sort(arr);
```

```
        return arr[arr.length - 1];
```

```
    }
```

```
}
```

Recursive Approach:

```
import java.util.*;

public class tuf {

    public static void main(String args[]) {

        int arr1[] = {2,5,1,3,0};

        System.out.println("The Largest element in the array is:
"+findLargestElement(ar
r1));

        int arr2[] = {8,10,5,7,9};

        System.out.println("The Largest element in the array is:
"+findLargestElement(ar
r2));
    }

    static int findLargestElement(int arr[]) {
        int max= arr[0];

        for (int i = 0; i < arr.length; i++) {
            if (arr[i] > max) {
                max= arr[i];
            }
        }
    }
}
```

```
return max;
```

```
}
```

```
}
```

```
}
```

SAMPANN