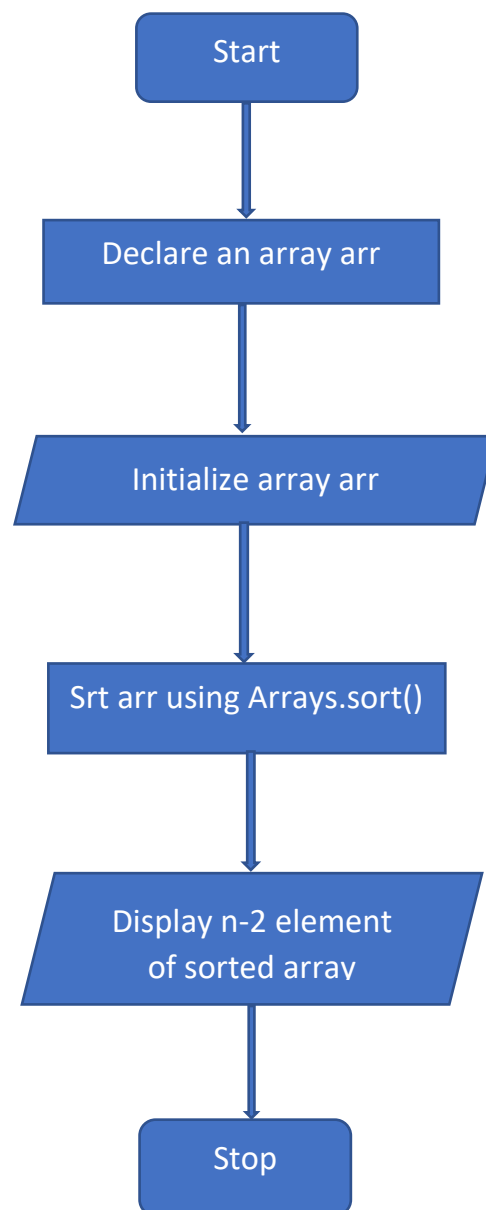


Algorithm to find second largest number of an array:

- 1.Start
- 2.Declare an array arr.
- 3.Initialize the array arr.
- 4.Sort the array using Arrays.sort().
- 5.Display second element from last of an array using index.  
(if length of array is n, then print n-2 element)
- 6.Stop.

FLOW CHART:



Source code:

```
import java.util.*;
import java.util.Arrays;
class Sort{
public static void main(String args[]){
Scanner sc=new Scanner (System.in);
int n;
n=sc.nextInt();
int arr[]=new int[n];
for(int i=0;i<n;i++){
arr[i]=sc.nextInt();
}
Arrays.sort(arr);
System.out.println(arr[n-2]);
}
}
```