Coding Standards:

The coding standards give a uniform appearance to the codes written . It improves readability and maintainability of the code and reduces the complexity and common errors.

1. Standard headers for different modules.
2. Naming conventions for variables and functions should be meaningful and understandable.
3. Complex coding style should not be used.
4. Length of functions should not be very large.
5. Be aware of indentation errors.
6. Every function should return some value (0 or 1) to simplify debugging.

Algorithm to find second largest number in an array:

1.START

2.INTIIALIZE arr[]={10,20,5,15}

3.len=sizeof(arr)/sizeof(arr[0])

4.max=arr[0]

5.SET i=0. REPEAT step 6 and step 7 i<len

6.if(arr[i]>max) max=arr[i]

7. i=i+1

8.max1=max

9.max2=0

10. SET i=0 REPEAT step 11 and step 12 i<len

11. if( arr[i]<max1 and arr[i]>max2) max2= arr[i]

12. i=i+1

13.PRINT max2