

Algorithm:

Step 1: Start

Step 2: Read value for size

Step 3: Enter the elements of array

for ($i=0; i < \text{size}; i++$)

read $a[i]$

Step 4: $\text{big} = a[0]$

Step 5: for ($i=1; i < \text{size}; i++$)

if ($\text{big} < a[i]$)

$\text{big} = a[i]$

print the big value

Step 6: $\text{small} = a[0]$

Step 7: for ($i=1; i < \text{size}; i++$)

if ($\text{small} > a[i]$)

$\text{small} = a[i]$

Print the smallest element

Step 8: Stop

Flowchart: