

1 Question: Write an algorithm to create an array of 20 element and display the value of each element.

Soln: step1 - start
step2 - Set ~~let~~ array [20], $x=0$
step3 - while ($x < 20$) do
step4 - print "Enter a value"
step5 - input array[x]
step6 - $x = x + 1$
step7 - End while

step8 - Set $x = 0$
step9 - while ($x < 20$) do
step10 - print array[x]
step11 - $x = x + 1$
step12 - End while
step13 - end.

2. Question: display the ~~max~~ the element of array while contain maximum of value of an array of 20 elements.

Soln: step1 - start
step2 - Set array [20], max=0, $n=0$, ~~k=0~~ $k=0$;
step3 - while ($x < 20$) do
step4 - print "Enter a value"
step5 - input array[x]
step6 - End while
step7 - while ($x < 20$) do
step8 - if ($a[k] > \text{max}$)
 $\text{max} = a[k]$
step9 - $k = k + 1$
step10 - $k = k + 1$
step11 - End while
step12 - print max
step13 - end.