

SEARCH

Question: Write an algorithm to perform search in Array of 10 elements.

Solution:

Step 1 - Start

Step 2 - set array[10], $i=0, k=0, R=0$

Step 3 - print "Enter element of array"

Step 4 - while ($i < 10$)
do

Step 5 - input array[i]

Step 6 - $i = i + 1$

Step 7 - End while

Step 8 - print "Enter element to search"

Step 9 - input search

Step 10 - while ($R < 10$)
do

Step 11 - if (array[R] == search)

Step 12 - Exit $K=1$

Step 13 - $R = R + 1$

Step 14 - End while

Step 15 - if ($K == 1$)

Step 16 - print "value found"

else

Step 17 - print "value not present"

Step 18 - End if

Step 19 - End.