20/09/2023

Write MALP for the following

1. length = 10

array[10] = {1, 24, 56, 78, 90, 100, 323, 4326, 57456, 74554};

for (i = 0 ; i< length; i++)

printf("%d\n",array[i]);

2. Linear search

length = 10

array[10] = {1, 24, 56, 78, 90, 100, 323, 4326, 57456, 74554};

x = 5;

for (i = 0; i < length; i++)

if (array[i] == x)

{

printf("Element found at position %d", i);

return;

}

printf("Element not found");

3. Assume you have two word arrays A and B that have 5 elements each. Assume the elements of the arrays are stored in memory. Sum the corresponding elements of the two arrays A and B and store the result in word array C kept in memory. Display the elements of array c to user.

length = 5

A[5] = {1, 2, 3, 4, 5};

B[5] = {1, 2, 3, 4, 5};

for (i = 0 ; i< 5; i++)

C[i] = A[i] + B[i]

printf("The sum is")

for (i = 0 ; i< 5; i++)

printf("%d\n", C[i]);