// C code to linearly search x in arr[].

#include <stdio.h>

int search(int arr[], int N, int x)

{

for (int i = 0; i < N; i++)

if (arr[i] == x)

return i;

return -1;

}

// Driver code

int main(void)

{

int arr[] = { 2, 3, 4, 10, 40 };

int x = 10;

int N = sizeof(arr) / sizeof(arr[0]);

// Function call

int result = search(arr, N, x);

(result == -1)

? printf("Element is not present in array")

: printf("Element is present at index %d", result);

return 0;