**Linear search:**

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

// is present then return its location, otherwise

// return -1

#include <iostream>

using namespace std;

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

{

int i;

for (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)

? cout << "Element is not present in array"

: cout << "Element is present at index " << result;

return 0;

}

**Output:**

Element is present at index 3