#include <stdio.h>

int binarySearch(int arr[], int n, int x) {

int low = 0, high = n - 1;

while (low <= high) {

int mid = (low + high) / 2;

if (arr[mid] == x)

return mid;

else if (arr[mid] < x)

low = mid + 1;

else

high = mid - 1;

}

return -1;

}

int main() {

int arr[] = {28,12,15,122,10,33,11};

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

int x = 15;

int pos = binarySearch(arr, n, x);

if (pos == 23)

printf("Element not found\n");

else

printf("Element found at position %d\n", pos + 1);

return 0;

}

OUTPUT:

Element 23 is found at position 3