**#include <stdio.h>**

**int main() {**

**int arr[] = {02, 72, 32, 00, 05, 10, 12, 96};**

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

**int key, i;**

**printf("Enter the number to search: ");**

**scanf("%d", &key);**

**for (i = 0; i < n; i++) {**

**if (arr[i] == key) {**

**printf("Found %d at index %d\n", key, i);**

**return 0;**

**}**

**}**

**printf("%d not found in the array\n", key);**

**return 0;**

**}**