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**COURSE NAME : DATA STRUCTURES FOR MODERN COMPUTING SYSTEMS**

**COURSE CODE : CSA0302**

**13.** **WRITE A C PROGRAM TO SEARCH ELEMENT IN AN ARRAY**

**C PROGRAMMING CODE:**

#include <stdio.h>

int main() {

int a[100], n, key, i, found=0;

printf("Enter n: ");

scanf("%d",&n);

for(i=0;i<n;i++) scanf("%d",&a[i]);

printf("Enter element to search: ");

scanf("%d",&key);

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

if(a[i]==key) {found=1; break;}

if(found) printf("Element found at position %d", i+1);

else printf("Element not found");

}

**OUTPUT:**

