CODECHEF
An Educational Initiative

► IDE

Code, Compile & Run

Ide ✕ +

C (gcc 6.3) ▼

```c
#include<stdio.h>
int main()
{
int a1[100],a2[100],i,n, m,f;
printf( "Enter no.of elements in 1st array: ");
scanf("%d\n" , &n);
printf("%d\n", n);
printf(" Enter no.of elements in 2nd array: ");
scanf("%d \n", &m);
printf("%d \n", m) ;
printf("Enter the 1st array: ");
for(i=0;i<n; i++)
{
scanf("%d\t" , &a1[i]);
printf("%d \t" , a1 [i]);
}
printf("\nEnter the 2nd array: ");
for(i=0;i<m; i++)
scanf( "%d\t", &a2 [i]);
printf("%d\t", a2 [i]);
for (i=0; i<n; i++)
{
if(a1[i]!=a2 [i])
{
f=0;
break;
}
else
```

25:6 ↻

Open File

✓ Custom Input   Run

Custom Input
```
4
4
53 22 76 90
10 7 78 43
```

Status Successfully executed   Date 2020-06-14 15:00:21   Time 0 sec   Mem 9.424 kB ✕

Input
```
4
4
53 22 76 90
10 7 78 43
```

Output
```
Enter no.of elements in 1st array: 4
 Enter no.of elements in 2nd array: 4
Enter the 1st array: 53    22  76  90
Enter the 2nd array: -90570352
2 arrays are not equal
```

C program to check if 2 arrays are same & not.

Algorithm:
Step1: Start
Step2: Input m, n
Step3: Display enter the 1st array
```
for (i=0; i<n; i++)
    input a1[i]
```
Step4: Display enter the 2nd array
```
for (i=0; i<m; i++)
    input a2[i]
```
Step5:
```
for (i=0; i<n; i++)
if (a1[i] != a2[i])
    f =0.
    break
else
    f=1.
end of for
```
Step6: if (f==0)
Display 2 arrays are not equal
else
Display 2 arrays are equal.
Step7: Stop.

Flowchart:

Start

input m, n

enter 1st array

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

input a1[i]

enter 2nd array

for(i=0; i<m; i++

input a2[i]

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

if a1[i]== a2[i]

False → f=1

True → f=0 break

if (f==0)

False → 2 arrays are equal

True → 2 arrays are not equal

Stop