```c
#include<stdio.h>
int main()
{
    int a[50],b[50],n1,n2,i,flag=0;
    printf("enter the size of array 1 and 2:\n"
    scanf("%d%d",&n1,&n2);
    printf("enter elements of array 1:\n");
    for(i=0;i<n1;i++)
        scanf("%d",&a[i]);
    printf("enter elements of array 2:\n");
    for(i=0;i<n2;i++)
        scanf("%d",&b[i]);
    if(n1!=n2)
        printf("The array are not equal:");
    else
    {
      for(i=0;i<n1;i++)
      if(a[i]!=b[i])
          flag++;
      if(flag==0)
        printf("The arrays are equal.");
        else
          printf("The array are not equal.");
    }
    return 0;
}
```

#include<stdio.h>

# INPUT

If your program needs any run time inputs, please add it here. Use new lines for more than one input.

5 5
1 2 3 4 5
1 2 3 4 5

✓ Show Always    ✓ Save Input

CANCEL      RUN

```
enter the size of array 1 and 2:
enter elements of array 1:
enter elements of array 2:
The arrays are equal.
```

```
#include<stdio.h>
```

# INPUT

If your program needs any run
time inputs, please add it here.
Use new lines for more than one
input.

5 6
1 2 3 4 5
1 2 3 4 5 6

☑ Show Always        ☑ Save Input

CANCEL        RUN

```
#include<stdio.h>
```

```
enter the size of array 1 and 2:
enter elements of array 1:
enter elements of array 2:
The array are not equal:
```

#include<stdio.h>

## INPUT

If your program needs any run time inputs, please add it here. Use new lines for more than one input.

5 5
1 2 3 4 5
1 2 3 4 10

✓ Show Always    ✓ Save Input

CANCEL    RUN

#include<stdio.h>

```
enter the size of array 1 and 2:
enter elements of array 1:
enter elements of array 2:
The array are not equal.
```

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## Algorithm

1) Start

2) Input $n_1$ & $n_2$

3) Repeat through step 3
$$for\ (i=0; i<n_1; i++)$$
    input $a[i]$

4) Repeat through step 4
$$for\ (i=0; i<n_2; i++)$$
    input $b[i]$

5) if $(n_1 != n_2)$
    Print "Not equal"
else
    5.1 Repeat through 5.1
$$for\ (i=0; i<n_1; i++)$$
        if $(a[i] != b[i])$
            flag++
    5.2 if $(flag == 0)$
        Print "equal"
    else
        Print "Not equal"

6 Stop.

# Flowchart

START

Flag = 0

input n1 &n2

false

for P=0; P<n1; P++

true

input a (i)

false

for (P=0; P<n2; i++)

true

input b[i]

false

if
n1 != n2

true

print "not equal"

false

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

true          false

if a(i)! = b(i)

flag++

false

if
Flag == 0

true

print "equal"

print "not equal"

STOP