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Q.) C program to check if two arrays are equal or not.

Algorithm :

1. Start

2. Input n_1 & n_2

3. Repeat through step 3.

   for (i=0; i<n1; i++)

   input a[i]

4. Repeat through step 4

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

   input b[i]

5. if (n1! = n2)

   print "not equal"

   else

   5.1 Repeat through 5.1

   for (i=0; i<n1; i++)

   if (a[i]! = b[i])

   flag++

   5.2 if (flag == 0)

   print "equal"

   else

   print "not equal"

6. Stop.

Flowchart   Adarsh KM

```
         ( Start )          flag = 0
             |                 |
             v                 |
        Input n1 & n2 <--------+

  False
      / for i=0; i< n1; i++ \
                |
                v True
           Input a[i]

  False
      / for i=0; i<n2; i++ \
                |
                v True
           Input b[i]

  False        / if \
      <-------- n1!=n2
                  |
                  v True
           Print "not equal"

  False
      / for i=0; i<n; i++ \
                |
                v True
              / if \          False
             a[i]!= b[i] ----------->
                  |
                  v True
              flag ++

  False       / if \
      <------ flag==0
                  |
                  v True
           Print "equal"

           Print "not equal"
                |
                v
            ( Stop )
```