C program to find repeated elements in array.

Algorithm

1. Start
2. Input n
3. Repeat through step 3
   for (i=0; i<n; i++)
   r[i]=0
4. Repeat through step4
   for (i=0; i<n; i++)
   input a[i]
5. Repeat through step 5.
   for (i=0; i<n; i++)
   5.1 Repeat through step 5.1
   for (j=0; j<n; j++)
   5.1 a. i) flag = 0
   5.1 a. ii) Repeat through step 5.1a ii)
   for (k=0; k<n; k++)
   if (r[k] == a[i])
   flag ++
   5.1 a.iii) if (flag == 0)
   r[rc] = a[i];
   rc++

6. Repeat through step 6.
   for (i=0; i<rc; i++
   print r[i]

Flowchart

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Start

count=0, k=0
rc = 0

False — for i=0; i<n; i++

↓ True

r[i]=0

False — for i=0; i<n; i++

↓ True

Input a[i]

False — for i=0; i<n; i++

↓ True

False — for j=0; j<n; j++

↓ True

False — if j!=i &&
a[i]=a[j]

↓ True

flag=0

False — for k=0; k<n; k++

↓ True

if r[k]==a[i] — False

↓ True

flag++

False — if flag==0

↓ True

r[rc]=a[i]
rc++

False — for i=0; i<rc; i++

↓ True

Print r[i]

Stop