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Code, Compile & Run

Ide ✕ +

Contest Code/Name (e.g. JULY15/PRACTICE)	Problem Code/Name (e.g. TEST)	Select

C (gcc 6.3) ▾ 💾 🗑 Code gets autosaved every second ❶ ⬇ ⤢ ⚙

```c
1   #include<stdio.h>
2   #define MAX_SIZE 100
3   int main()
4 ▾ {
5   int arr[MAX_SIZE];
6   int i,j,size,count=0;
7   printf("Enter size of the array:n");
8    scanf("%d",&size);
9   printf("Enter element in the array:n");
10  for(i=0;i<size;i++)
11 ▾ {
12  scanf("%d",&arr[i]);
13  }
14  for(i=0;i<size;i++)
15 ▾ {
16  for(j=i+1;j<size;j++)
17 ▾ {
18  if(arr[i]== arr[j])
19 ▾ {
20  count++;
21  break;
22  }
23  }
24  }
25  printf("Total number of repeating elements found in array=%d",count);
26  return 0;
27  }
```

5:4 ↻

Open File ✓Custom Input **Run**

Custom Input

```
5
1 2 2 2 3
```

Status Successfully executed **Date** 2020-06-08 15:18:44 **Time** 0 sec **Mem** 9.424 kB ✕

Input

```
5
1 2 2 2 3
```

Output

```
of the array:nEnter element in the array:nTotal number of repeating elements found in array=2
```

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(i) Algorithm

Step 1 : Start

Step 2 : input i, j, size, count = 0

step 3 : input array elements

step 4 : for (i = 0; i < size; i++)

step 5 : for (j = i+1; i < size ; i++)

step 6 : if (arr [i] == arr [j])

Step 7 :   count ++;
                break;

step 8 : output repeating elements

step 9 : stop

(ii) Flowchart

```
          ( start )
              |
              v
  +---------------------------+
  | intput i, j, size, count = 0 |
  +---------------------------+
              |
              v
  / input array elements /
              |
              v
  < for (i = 0; i < size; i++) >
              |
              v
  < for (j = i+1; j < size; j++ >
              |
              v
           if
  < arr[i] == arr[j] >
              |
              v
  +---------------------------+
  |        count ++           |
  |        break              |
  +---------------------------+
              |
              v
  +---------------------------+
  |    output repeating       |
  |       elements            |
  +---------------------------+
              |
              v
          ( stop )
```