

```

1  #include <stdio.h>
2  int getMedian(int ar1[], int ar2[], int n)
3  {
4      int i = 0;
5      int j = 0;
6      int count;
7      int m1 = -1, m2 = -1;
8
9      for (count = 0; count <= n; count++)
10     {
11
12         if (i == n)
13         {
14             m1 = m2;
15             m2 = ar2[0];
16             break;
17         }
18
19
20         else if (j == n)
21         {
22             m1 = m2;
23             m2 = ar1[0];
24             break;
25         }
26

```



```

27         if (ar1[i] < ar2[j])
28         {
29             m1 = m2;
30             m2 = ar1[i];
31             i++;
32         }
33         else
34         {
35             m1 = m2;
36             m2 = ar2[j];
37             j++;
38         }
39     }
40
41     return (m1 + m2)/2;
42 }
43
44
45 int main()
46 {
47     int ar1[] = {1,12,15,26,38};
48     int ar2[] = {2,13,20,30,44};
49
50     int n1 = sizeof(ar1)/sizeof(ar1[0]);
51     int n2 = sizeof(ar2)/sizeof(ar2[0]);
52     if (n1 == n2)

```

```

39     }
40
41     return (m1 + m2)/2;
42 }
43
44
45 int main()
46 {
47     int ar1[] = {1,12,15,26,38};
48     int ar2[] = {2,13,20,30,44};
49
50     int n1 = sizeof(ar1)/sizeof(ar1[0]);
51     int n2 = sizeof(ar2)/sizeof(ar2[0]);
52     if (n1 == n2)
53         printf("Median is %d", getMedian(ar1, ar2, n1));
54     else
55         printf("Arrays should be of equal size");
56     getchar();
57     return 0;
58 }

```

Median is 17