

```

49 int main()
50 {
51     int ar1[] = {1, 12, 15, 26, 38};
52     int ar2[] = {2, 13, 17, 30, 45};
53     int n;
54
55     printf("Median of the array after merging is  \n %d \n\n", getMedian(ar1, ar2, 5)) ;
56     printf("Time complexity of this Algorithm is O(log(n))\n");
57     startTime=clock();
58     getMedian(ar1,ar2,5);
59     endTime = clock();
60     printf("\n\nTime taken is %f\n",(((double)(endTime-startTime))/CLOCKS_PER_SEC));
61     getchar();
62     return 0;
63 }
64

```

input

Median of the array after merging is
16

Time complexity of this Algorithm is O(log(n))

Time taken is 0.000002

...Program finished with exit code 0
Press ENTER to exit console.