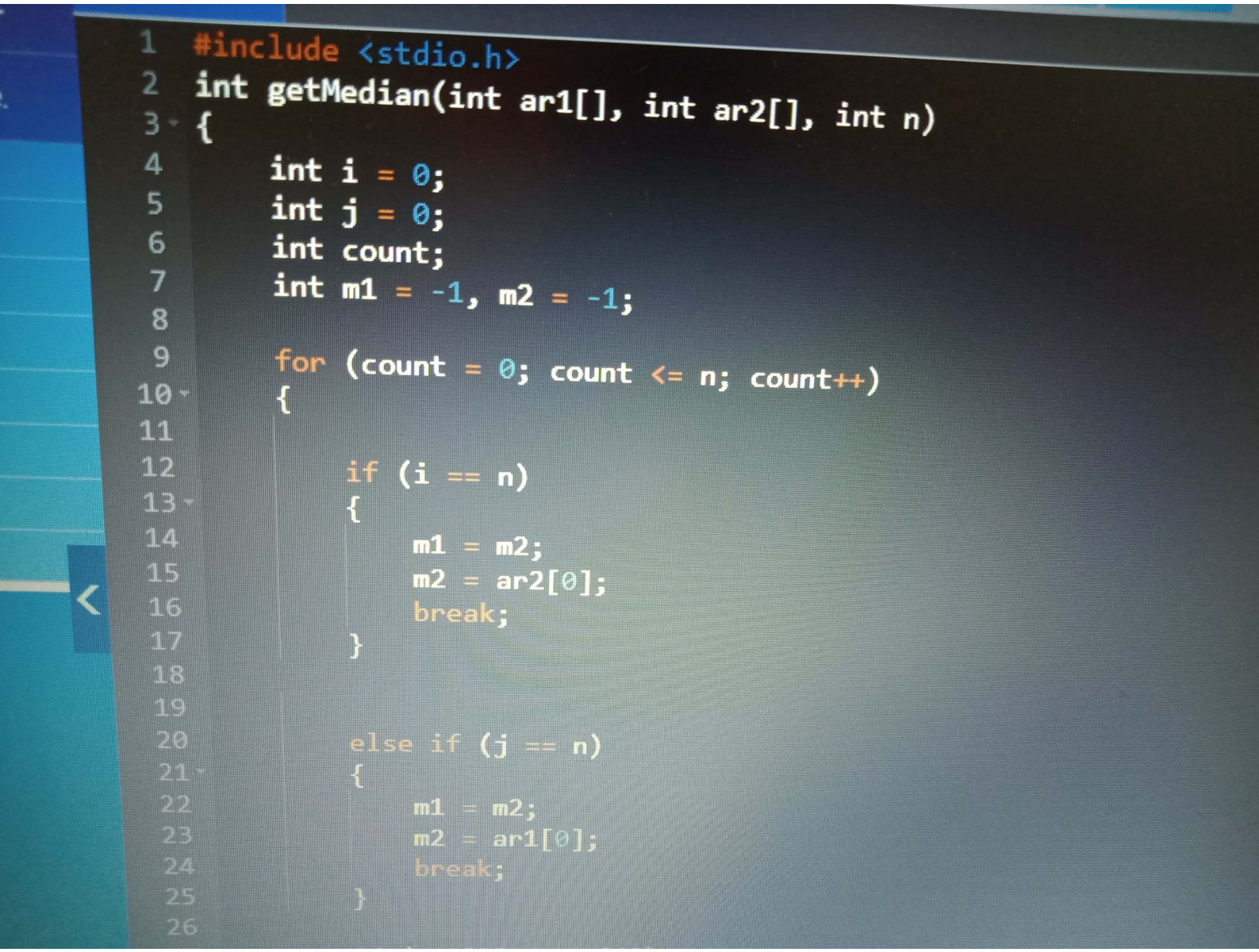
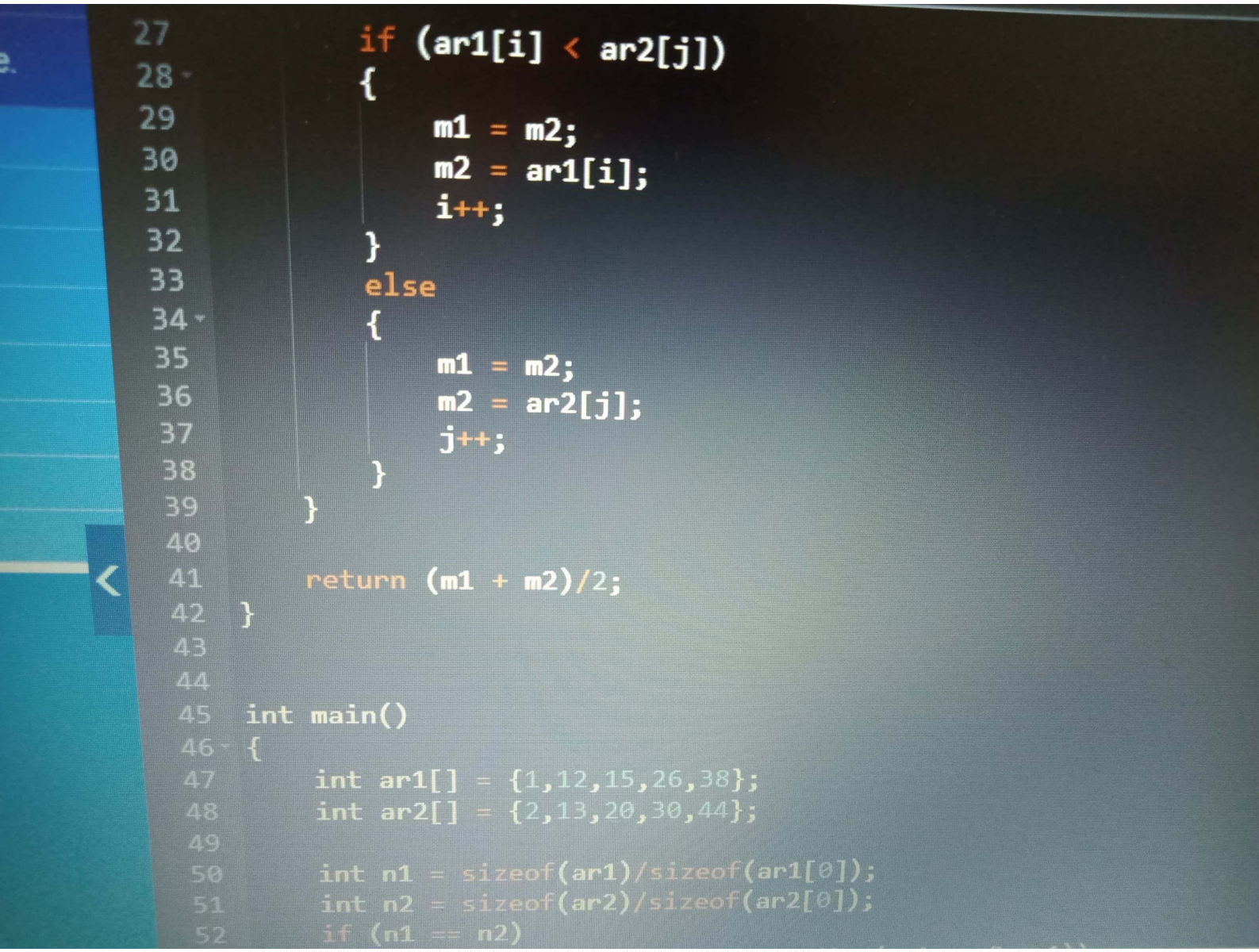


```c
#include <stdio.h>
int getMedian(int ar1[], int ar2[], int n)
{
    int i = 0;
    int j = 0;
    int count;
    int m1 = -1, m2 = -1;

    for (count = 0; count <= n; count++)
    {

        if (i == n)
        {
            m1 = m2;
            m2 = ar2[0];
            break;
        }


        else if (j == n)
        {
            m1 = m2;
            m2 = ar1[0];
            break;
        }
```

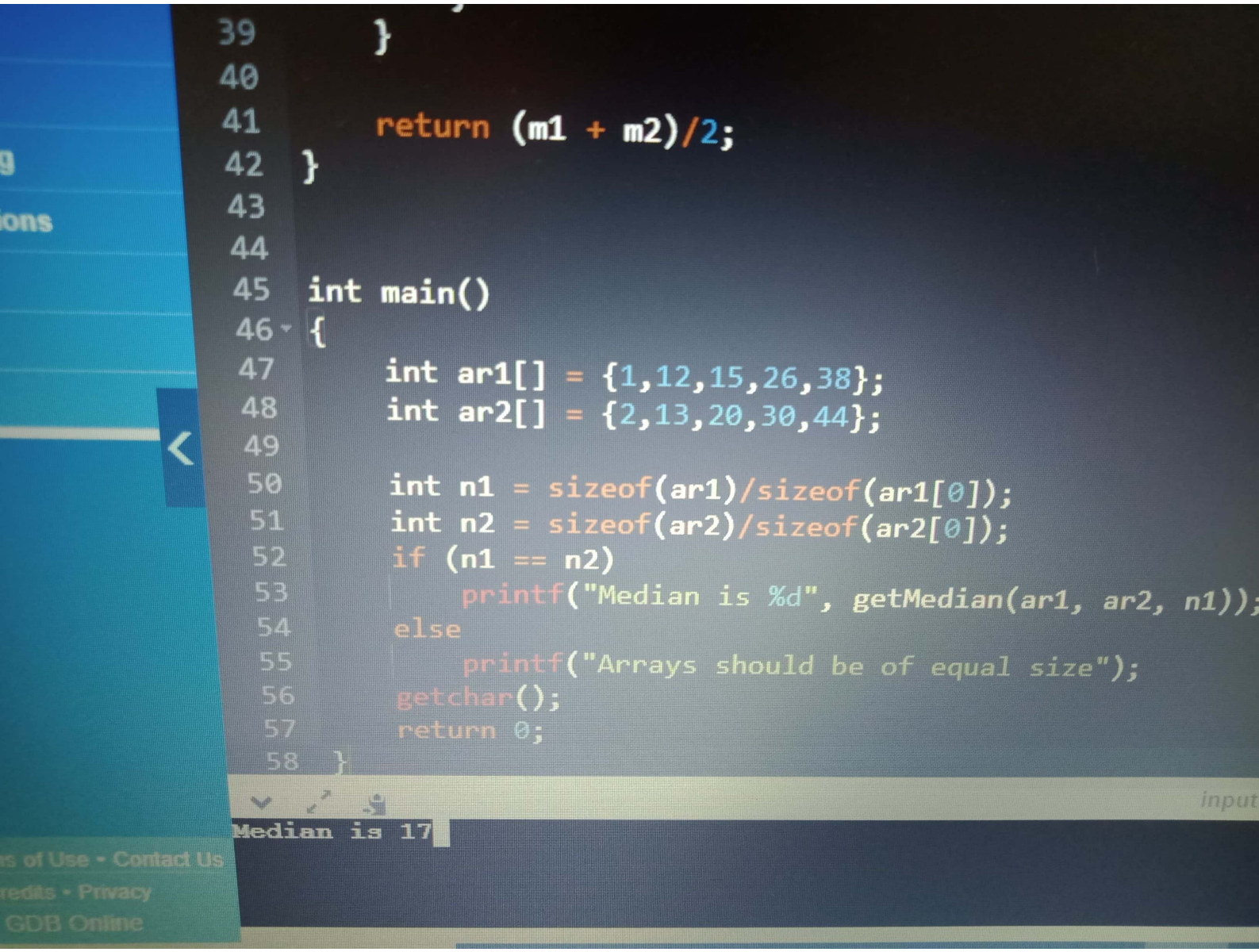


```
        if (ar1[i] < ar2[j])
        {
            m1 = m2;
            m2 = ar1[i];
            i++;
        }
        else
        {
            m1 = m2;
            m2 = ar2[j];
            j++;
        }
    }

    return (m1 + m2)/2;
}


int main()
{
    int ar1[] = {1,12,15,26,38};
    int ar2[] = {2,13,20,30,44};

    int n1 = sizeof(ar1)/sizeof(ar1[0]);
    int n2 = sizeof(ar2)/sizeof(ar2[0]);
    if (n1 == n2)
```



```
    }

    return (m1 + m2)/2;
}


int main()
{
    int ar1[] = {1,12,15,26,38};
    int ar2[] = {2,13,20,30,44};

    int n1 = sizeof(ar1)/sizeof(ar1[0]);
    int n2 = sizeof(ar2)/sizeof(ar2[0]);
    if (n1 == n2)
        printf("Median is %d", getMedian(ar1, ar2, n1));
    else
        printf("Arrays should be of equal size");
    getchar();
    return 0;
}
```

```
Median is 17
```