

```
#include <stdio.h>

void main()
{

    int array[100], i, num;
    printf("Enter the size of an array \n");
    scanf("%d", &num);
    printf("Enter the elements of the array \n");

    for (i = 0; i < num; i++)
    {
        scanf("%d", &array[i]);
    }

    printf("Even numbers in the array are:\t ");
    for (i = 0; i < num; i++)
    {
        if (array[i] % 2 == 0)
        {
            printf("%d \t", array[i]);
        }
    }

    printf("\nOdd numbers in the array are:\t");
    for (i = 0; i < num; i++)
    {
        if (array[i] % 2 != 0)
        {
            printf("%d \t", array[i]);
        }
    }
}
```

```
C:\Users\nagir\OneDrive\Documents\Exp 2.exe
Enter the size of an array
3
Enter the elements of the array
4
5
5
Even numbers in the array are: 4
Odd numbers in the array are: 5 5
-----
Process exited after 6.594 seconds with return value 3
Press any key to continue . . .
}
```