

## 2.EVEN OR ODD:-

Code:-

```
#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]);
        }
    }
    }}
```

## OUTPUT:-

```
Enter the size of an array
6
Enter the elements of the array
45
16
19
75
96
35
Even numbers in the array are:  16    96
Odd numbers in the array are:  45    19    75    35
-----
Process exited after 18.6 seconds with return value 6
Press any key to continue . . .
```