

To find even or odd numbers in a given set

```
#include <stdio.h>

int main()
{
    int n;

    printf("Enter number of elements in the array: ");
    scanf("%d", &n);

    int arr[n];

    printf("Enter %d elements in the array: ",n);
    for(int i=0;i<n;i++)
    {
        scanf("%d",&arr[i]);
    }

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

    printf("\nOdd numbers in the array are: ");
    for(int i=0;i<n;i++)
    {
        if(arr[i]%2==1)
            printf("%d ", arr[i]);
    }
}
```