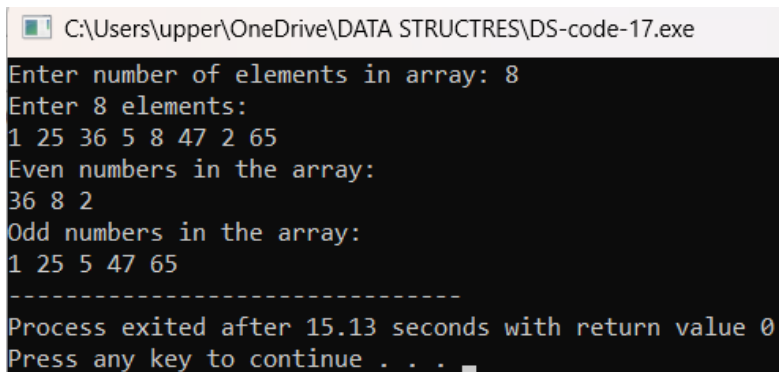


```

#include <stdio.h>
int main() {
    int arr[100], n, i;
    printf("Enter number of elements in array: ");
    scanf("%d", &n);
    printf("Enter %d elements:\n", n);
    for(i = 0; i < n; i++) {
        scanf("%d", &arr[i]);
    }
    printf("Even numbers in the array:\n");
    for(i = 0; i < n; i++) {
        if(arr[i] % 2 == 0) {
            printf("%d ", arr[i]);
        }
    }
    printf("\nOdd numbers in the array:\n");
    for(i = 0; i < n; i++) {
        if(arr[i] % 2 != 0) {
            printf("%d ", arr[i]);
        }
    }
    return 0;
}

```



```

C:\Users\upper\OneDrive\DATA STRUCTRES\DS-code-17.exe
Enter number of elements in array: 8
Enter 8 elements:
1 25 36 5 8 47 2 65
Even numbers in the array:
36 8 2
Odd numbers in the array:
1 25 5 47 65
-----
Process exited after 15.13 seconds with return value 0
Press any key to continue . . .

```