```c
#include <stdio.h>

#define NUM_ELEMENTS 10

int main(void)
{
    //variable declarations
    int iArray[NUM_ELEMENTS];
    int i, num, sum = 0;

    //code
    printf("\n\n");

    // *** ARRAY ELEMENTS INPUT ***
    printf("Enter Integer Elememts For Array : \n\n");
    for (i = 0; i < NUM_ELEMENTS; i++)
    {
        scanf("%d", &num);
        iArray[i] = num;
    }

    // *** SEPARATING OUT EVEN NUMBERS FROM ARRAY ELEMENTS ***
    printf("\n\n");
    printf("Even Numbers Amongst The Array Elements Are : \n\n");
    for (i = 0; i < NUM_ELEMENTS; i++)
    {
        if ((iArray[i] % 2) == 0)
            printf("%d\n", iArray[i]);
    }

    // *** SEPARATING OUT ODD NUMBERS FROM ARRAY ELEMENTS ***
    printf("\n\n");
    printf("Odd Numbers Amongst The Array Elements Are : \n\n");
    for (i = 0; i < NUM_ELEMENTS; i++)
    {
        if ((iArray[i] % 2) != 0)
            printf("%d\n", iArray[i]);
    }

    return(0);
}
```