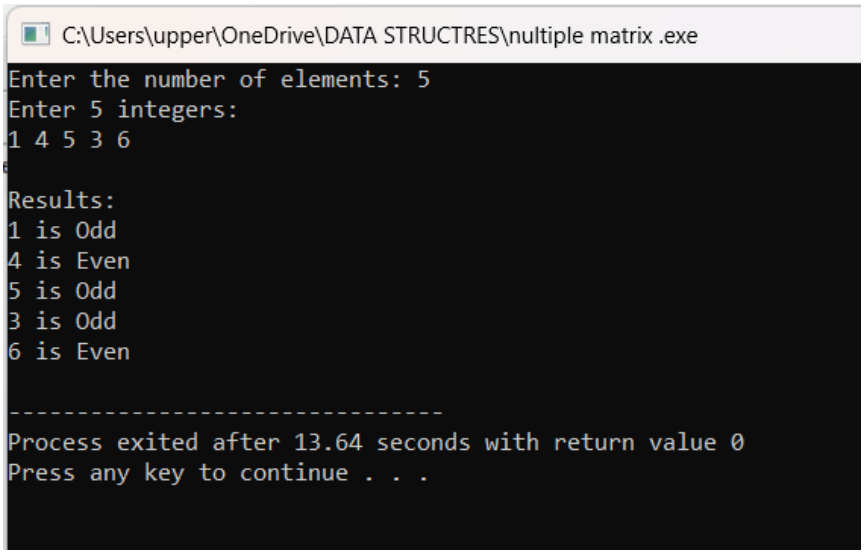
```c
#include <stdio.h>
#include <stdlib.h>
int main() {
    int n;
    printf("Enter the number of elements: ");
    if (scanf("%d", &n) != 1 || n <= 0) {
        printf("Invalid input. Please enter a positive integer.\n");
        return 1;
    }
    int *arr = malloc(n * sizeof(int));
    if (!arr) {
        printf("Memory allocation failed.\n");
        return 1;
    }
    printf("Enter %d integers:\n", n);
    for (int i = 0; i < n; i++) {
        if (scanf("%d", &arr[i]) != 1) {
            printf("Invalid input. Exiting.\n");
            free(arr);
            return 1;
        }
    }

    printf("\nResults:\n");
    for (int i = 0; i < n; i++) {
        if (arr[i] % 2 == 0)
            printf("%d is Even\n", arr[i]);
        else
            printf("%d is Odd\n", arr[i]);
    }
    free(arr);
    return 0;
}
```


C:\Users\upper\OneDrive\DATA STRUCTRES\nultiple matrix .exe
Enter the number of elements: 5
Enter 5 integers:
1 4 5 3 6
Results:
1 is Odd
4 is Even
5 is Odd
3 is Odd
6 is Even

Process exited after 13.64 seconds with return value 0
Press any key to continue . . .