**DATA STRUCTURE LAB EXERCISES**

**EXPERIMENT-8**

#include <stdio.h>

int main() {

int arr[100], n, i;

printf("Enter number of elements: ");

scanf("%d", &n);

printf("Enter the elements:\n");

for(i = 0; i < n; i++) {

scanf("%d", &arr[i]);

}

printf("Even numbers in the array are:\n");

for(i = 0; i < n; i++) {

if(arr[i] % 2 == 0) {

printf("%d ", arr[i]);

}

}

printf("\nOdd numbers in the array are:\n");

for(i = 0; i < n; i++) {

if(arr[i] % 2 != 0) {

printf("%d ", arr[i]);

}

}

return 0;

}

