

Solution Code

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/* C program to count even and odd elements in an array */

#include <stdio.h>

#define MAX_SIZE 100 //Maximum size of the array

int main(){

    int arr[MAX_SIZE];

    int i, N, even, odd;

    printf("Enter size of the array: ");

    scanf("%d", &N);

    printf("\nEnter %d elements in array :: \n", N);

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

        printf("\nEnter %d element in array :: ", i+1);

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

    }

    even = 0; odd = 0;

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

        /* If the current element of array is even then increment even count */

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

            even++;

        }

        else{

            odd++;

        }

    }

    printf("\nTotal even elements: %d\n", even);

    printf("\nTotal odd elements: %d\n", odd);

    return 0;

}
```