**Program**

**#include<stdio.h>**

**int main()**

**{**

**int Size, i, a[10];**

**int Even = 0, Odd = 0;**

**printf("\n Please Enter the Size of an Array : ");**

**scanf("%d", &Size);**

**printf("\nPlease Enter the Array Elements\n");**

**for(i = 0; i < Size; i++)**

**{**

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

**}**

**for(i = 0; i < Size; i ++)**

**{**

**if(a[i] % 2 == 0)**

**{**

**Even++;**

**}**

**else**

**{**

**Odd++;**

**}**

**}**

**printf("\n Total Number of Even Numbers in this Array = %d ", Even);**

**printf("\n Total Number of Odd Numbers in this Array = %d ", Odd);**

**return 0;**

**}**

