**2. program to find Odd or Even number from a given set of numbers:**

#include<stdio.h>

int main()

{

int Size, i, a[10];

int Even\_Count = 0, Odd\_Count = 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\_Count++;

}

else

{

Odd\_Count++;

}

}

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

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

return 0;

}

