

2) #include <stdio.h>

```
int main () {
    int n, i;
    printf ("Enter the number of integers : ");
    scanf ("%d", &n);
    int arr[n];
    int positive = 0, negative = 0, even = 0, odd = 0;
    for (i=0, i<n, i++) {
        printf ("Enter number %d: ", i+1);
        scanf ("%d", &arr[i]);
        if (arr[i] > 0)
            positive++;
        else if (arr[i] < 0)
            negative++;
        if (arr[i] % 2 == 0)
            even++;
        else
            odd++;
    }
    printf ("\n Results :\n");
    printf ("positive numbers : %d\n", positive);
    printf ("Negative numbers : %d\n", negative);
    printf ("Even numbers : %d\n", even);
    printf ("Odd numbers : %d\n", odd);
    return 0;
}
```

Online C Compiler - Programiz Courseplan C Language 2025

programz.com/c-programming/online-compiler/

Programiz PRO

main.c

```
int n, i;
printf("enter the number of numbers: ");
scanf("%d", &n);

int arr[n];
int positive = 0, negative = 0, even = 0, odd = 0;
for (i = 0; i < n; i++) {
    printf("enter number %d: ", i + 1);
    scanf("%d", &arr[i]);

    if (arr[i] > 0)
        positive++;
    else if (arr[i] < 0)
        negative++;
    else
        odd++;

    if (arr[i] % 2 == 0)
        even++;
}

printf("\nResults:");
printf("Positive numbers: %d\n", positive);
printf("Negative numbers: %d\n", negative);
printf("Even numbers: %d\n", even);
printf("Odd numbers: %d\n", odd);
return 0;
```

Output

enter the number of numbers: 9
enter number 1: 7
enter number 2: 0
enter number 3: 3
enter number 4: 1
enter number 5: -9
enter number 6: -5
enter number 7: 5
enter number 8: 4
enter number 9: 1

Results:
Positive numbers: 6
Negative numbers: 2
Even numbers: 2
Odd numbers: 7

== Code Execution Successful ==

18°C Cloudy Search ENG IN 22:14 07-10-2025