```c
5.2- # include < stdio.h >

int main () {
    int n, i, pos = 0, neg = 0, odd = 0, even = 0;
    Printf ("Enter number of elements : ");
    sconf ("%d", &n);

    int arr[n];
    Printf ("Enter %d integers : \n", n);
    for (i = 0; i < n; i++) {
        sconf ("%d", &arr[i]);
        if (arr[i] > 0) pos++;
        else if (arr[i] < 0) neg++;
        if (arr[i] % 2 == 0) even++;
        else odd++;
    }

    Printf ("Positive numbers : %d\n", pos);
    Printf ("Negative numbers : %d\n", neg);
    Printf ("Even numbers : %d\n", even);
    Printf ("odd numbers : %d\n", odd);

    return 0;
}
```

C main.c M ✕

C main.c > ⊙ main()

```c
#include <stdio.h>

int main() {
    int n, i, pos=0, neg=0, odd=0, even=0;
    printf("Enter number of elements: ");
    scanf("%d", &n);

    int arr[n];
    printf("Enter %d integers:\n", n);
    for(i=0; i<n; i++) {
        scanf("%d", &arr[i]);
        if(arr[i] > 0) pos++;
        else if(arr[i] < 0) neg++;
        if(arr[i] % 2 == 0) even++;
        else odd++;
    }

    printf("Positive numbers: %d\n", pos);
    printf("Negative numbers: %d\n", neg);
    printf("Even numbers: %d\n", even);
    printf("Odd numbers: %d\n", odd);

    return 0;
}
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

```
abhaygupta@Abhays-MacBook-Air main.c % gcc main.c
abhaygupta@Abhays-MacBook-Air main.c % ./a.out
Enter number of elements: 3
Enter 3 integers:
2
5
7

Positive numbers: 3
Negative numbers: 0
Even numbers: 1
Odd numbers: 2
abhaygupta@Abhays-MacBook-Air main.c %
```