

52- #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;

}

Teacher's Signature

C main.c M X

C main.c > main()

```
#include <stdio.h>

2
3 int main() {
4     int n, i, pos=0, neg=0, odd=0, even=0;
5     printf("Enter number of elements: ");
6     scanf("%d", &n);
7
8     int arr[n];
9     printf("Enter %d integers:\n", n);
10    for(i=0; i<n; i++) {
11        scanf("%d", &arr[i]);
12        if(arr[i] > 0) pos++;
13        else if(arr[i] < 0) neg++;
14        if(arr[i] % 2 == 0) even++;
15        else odd++;
16    }
17
18    printf("Positive numbers: %d\n", pos);
19    printf("Negative numbers: %d\n", neg);
20    printf("Even numbers: %d\n", even);
21    printf("Odd numbers: %d\n", odd);
22
23    return 0;
24 }
```

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 %
```