

5.2- #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

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main.c

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

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