

chetan_projects > C_experiments > exp5 > C 2_count.c > main()

```
1  #include <stdio.h>
2
3  int main() {
4      int n, i;
5      int arr[100];
6      int positive = 0, negative = 0, odd = 0, even = 0;
7
8      printf("Enter number of elements: ");
9      scanf("%d", &n);
10
11     printf("Enter %d integers:\n", n);
12     for (i = 0; i < n; i++) {
13         scanf("%d", &arr[i]);
14     }
15
16     for (i = 0; i < n; i++) {
17         if (arr[i] > 0) {
18             positive = positive + 1;
19         }
20         if (arr[i] < 0) {
21             negative = negative + 1;
22         }
23         if (arr[i] % 2 == 0) {
24             even = even + 1;
25         }
26         if (arr[i] % 2 != 0) {
27             odd = odd + 1;
28         }
29     }
30
31     printf("\nPositive numbers: %d\n", positive);
32     printf("Negative numbers: %d\n", negative);
33     printf("Even numbers: %d\n", even);
34     printf("Odd numbers: %d\n", odd);
35
36     return 0;
37 }
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
=C:\msys64\ucrt64\bin\gdb.exe' '--interpreter=mi'
```

```
Enter number of elements: 3
```

```
Enter 3 integers:
```

```
5
```

```
-5
```

```
0
```

```
Positive numbers: 1
```

```
Negative numbers: 1
```

```
Even numbers: 1
```

```
Odd numbers: 2
```

```
PS D:\chetan_projects> 
```

Output

Enter no of elements : 3

Enter 3 integers

5

-3

0

Positive numbers : 1

Negative numbers : 1

Even numbers : 1

Odd numbers : 2

8-5-2

→ Include stdlib.h

int main() {

int n, i;

int arr[100];

int positive = 0, negative = 0, odd = 0, even = 0;

printf("Enter no. of elements: ");

scanf("%d", &n);

printf("Enter %d integers: ", n);

for (i = 0; i < n; i++) {

scanf("%d", &arr[i]);

for (i = 0; i < n; i++) {

if (arr[i] > 0) {

positive = positive + 1;

if (arr[i] < 0) {

negative = negative + 1;

if (arr[i] % 2 == 0) {

even = even + 1;

if (arr[i] % 2 == 1) {

odd = odd + 1;

}

}

}

}

}

}

}

}

}

}

}

}

}

}

}

}

}