

Walkthrough Example

What is the exact output of the following program?

- Record your work using the walkthrough table provided on the next page
- Put your output answer in the “Screen Output” box on the next page

```
#include <stdio.h>

02
03 #define SIZE 5
04
05 int main(void)
06 {
07     int i = 0, sum = 0;
08     int evenScore = 0, oddScore = 0, evenCount = 0, oddCount = 0;
09     int numbers[SIZE] = { 10, 9, 15, 17, 18 };
10
11     for (i=0; i < SIZE; i++){
12
13         printf("Looking at number - %d:", i + 1);
14
15         sum = sum + numbers[i];
16
17         if (numbers[i] % 2 == 0) {
18             evenCount++;
19             evenScore += numbers[i];
20             printf("Found Even!\n");
21         }
22         else if (numbers[i] % 2 == 1) {
23             oddCount++;
24             oddScore += numbers[i];
25             printf("Found Odd!\n");
26         }
27         else {
28             printf("Something went wrong!\n");
29         }
30     }
31
32     printf("Even: Count %d, Score:%d\n", evenCount, evenScore);
33     printf("Odd: Count %d, Score:%d\n", oddCount, oddScore);
34
35     if (evenScore == oddScore) {
36         printf("Truce - No Winner! (Total: %d) \n", sum);
37     }
38     else {
39         evenScore > oddScore? printf("Even Wins!") : printf("Odd Wins!");
40     }
41
42     return 0;
```


Screen Output:

