



Lesson 52 C Practice 5(Sum of even Numbers)

In this lesson, we want to make a program that calculates the sum of even numbers then print the sum.

The user is going to enter some numbers and we don't know how many, then we need to calculate only the even numbers.

In this case no need to use an **array**, we can just take how many numbers he is going to enter (we use that in the for), after that when he enters a number we check if it's even we add it to the sum, if not we do nothing.

```
#include <stdio.h>

int main() {
    int number, nums_numbers, sum = 0, i;
    printf("Enter the number of number: ");
    scanf("%d", &nums_numbers);
    for (i = 0; i < nums_numbers; i++) {
        printf("Enter number %d : ", i + 1);
        scanf("%d", &number);
        if (number % 2 == 0)
            // if the number entered by the user is even
            sum += number;
    }
    printf("Sum= %d", sum);
}
```



input:

5

2

9

6

7

1

output:

Sum= 8

Try the code : [Click here!](#)

we can shorten the code :

```
int main() {  
    int number, nums_numbers, sum = 0, i;  
    printf("Enter the number of number: ");  
    scanf("%d", &nums_numbers);  
    for (i = 0; i < nums_numbers; i++) {  
        printf("Enter number %d : ", i + 1);  
        scanf("%d", &number);
```

```
sum += number % 2 ? 0 : number;
```

input:

5



2

9

6

7

1

output:

Sum= 8

Try the code : [Click here!](#)