



## Lesson 51 C Practice 4( Sum of 10 Numbers)

We are going to write a program that adds 10 numbers. I know that you are now thinking of creating an array to stock these 10 numbers, then adding them, but we really don't need an array.

a loop can solve this using **for** :

```
#include <stdio.h>

int main() {
    int x, i, sum = 0;
    for (i = 0; i < 10; i++) {
        printf("%d) Enter a number: ", i + 1);
        scanf("%d", &x);
        sum += x;
        /*
        we created 10 loops and each loop we asked the user to give a
        number
        and we add it the last sum of numbers sum + x
        */
    }
    printf("sum = %d ", sum);
}
```



The **for** executes all the statements existing between the { }  
printf("sum = %d ", sum); -> doesn't appear between the curly  
brackets, that's why you need practice tracing and check  
what's really between the { }, because we need to print one  
time, not 10.