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```c
/*Items addressed in this example:
    constants
    real numbers
    string
    accumulator
    incrementor
    formatting output
    string reading
    string printing
*/
#include <stdio.h>
#include <stdlib.h>
#define low 0.0
#define high 100.0
int main(int argc, char *argv[])
{
    float in, sum, avg;
    int count;
    char name[41];
    count = 0;
    sum = 0;
    printf("Enter your first name: ");
    scanf("%s",name);
    printf("Enter a number from %6.2f through %6.2f: ", low, high);
    scanf("%f",&in);
    while(in >= low && in <= high)
    {
            sum += in;
            count ++;
            printf("\nyour number is %6.2f\n\n",in);
            printf("Enter a number from %6.2f through %6.2f: ", low, high);
            scanf("%f",&in);
    }
    printf("\n%s here are your results: \n",name);
    printf("you entered %d numbers whose sum is %6.2f\n",count,sum);
    if(count > 0)
    {
            avg = sum/(float)count;
    }
    else
    {
        avg = 0.0;
    }
    printf("The average is %6.2f\n",avg);
    system("PAUSE");
    return 0;
}
```