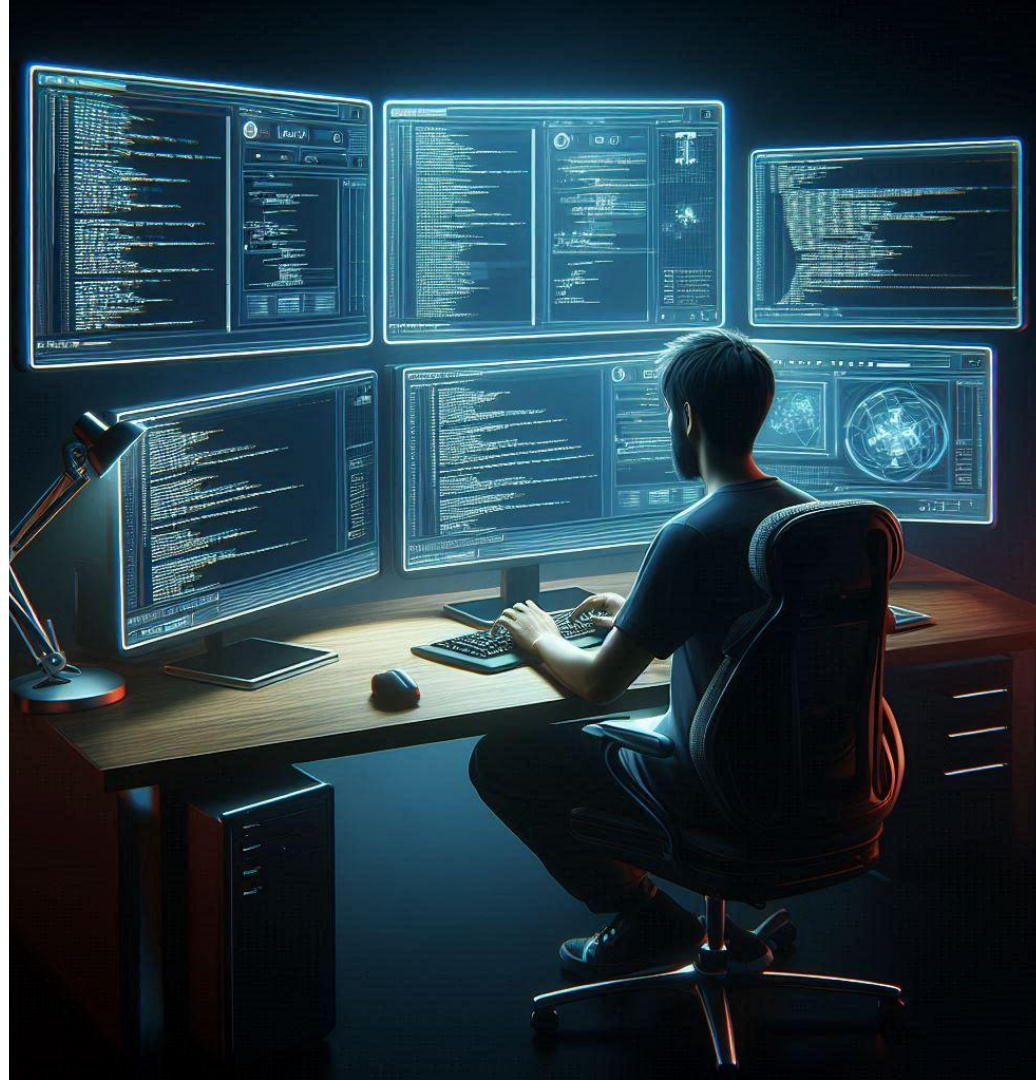


CSE 1110

Introduction to Computer System (Class III)



**Review on previous class
(10 - 15 minutes)**

Remember the situation,

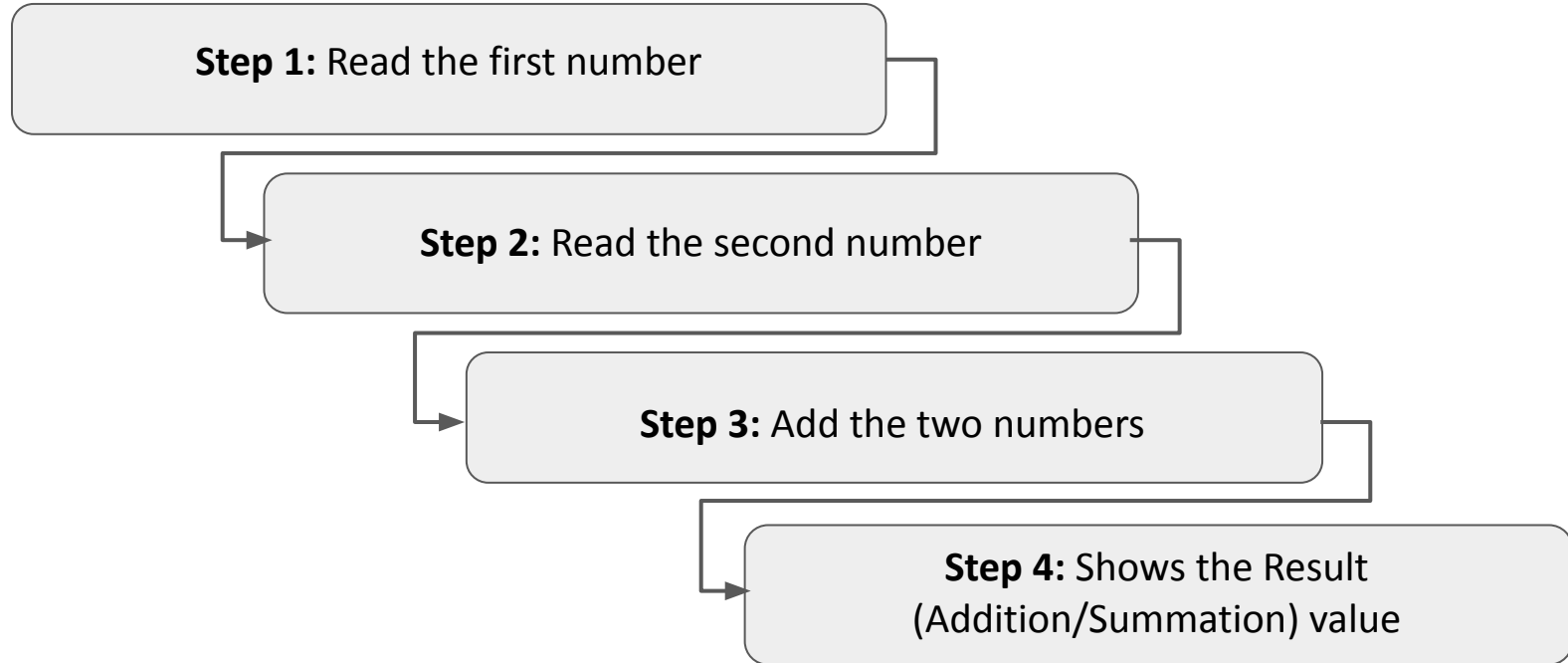
Tell your friend to **find the sum of two numbers**.

How will your friend carry out this task??



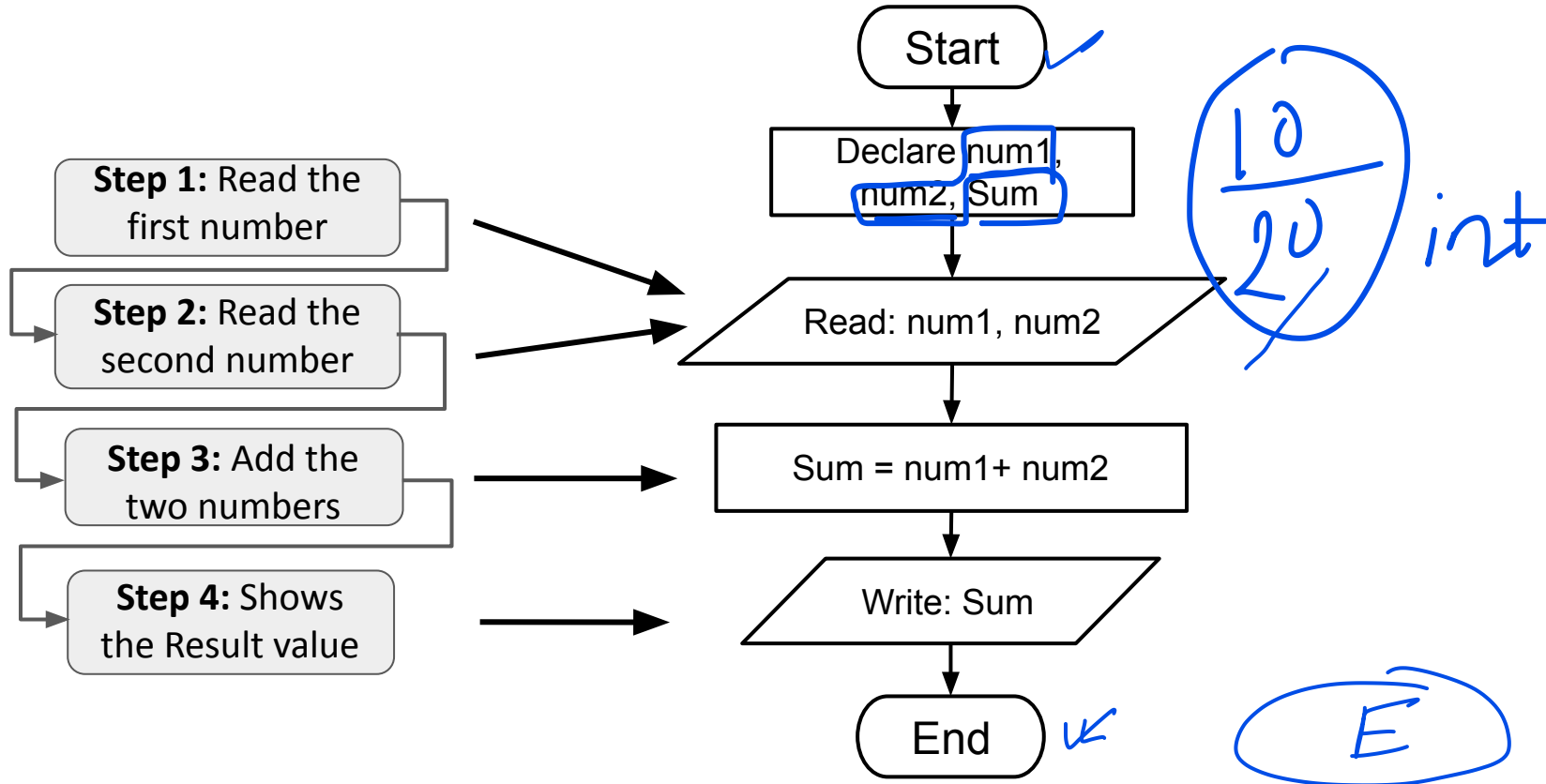
Solution Steps

Let's take a look at the steps taken by your friend to solve this problem:



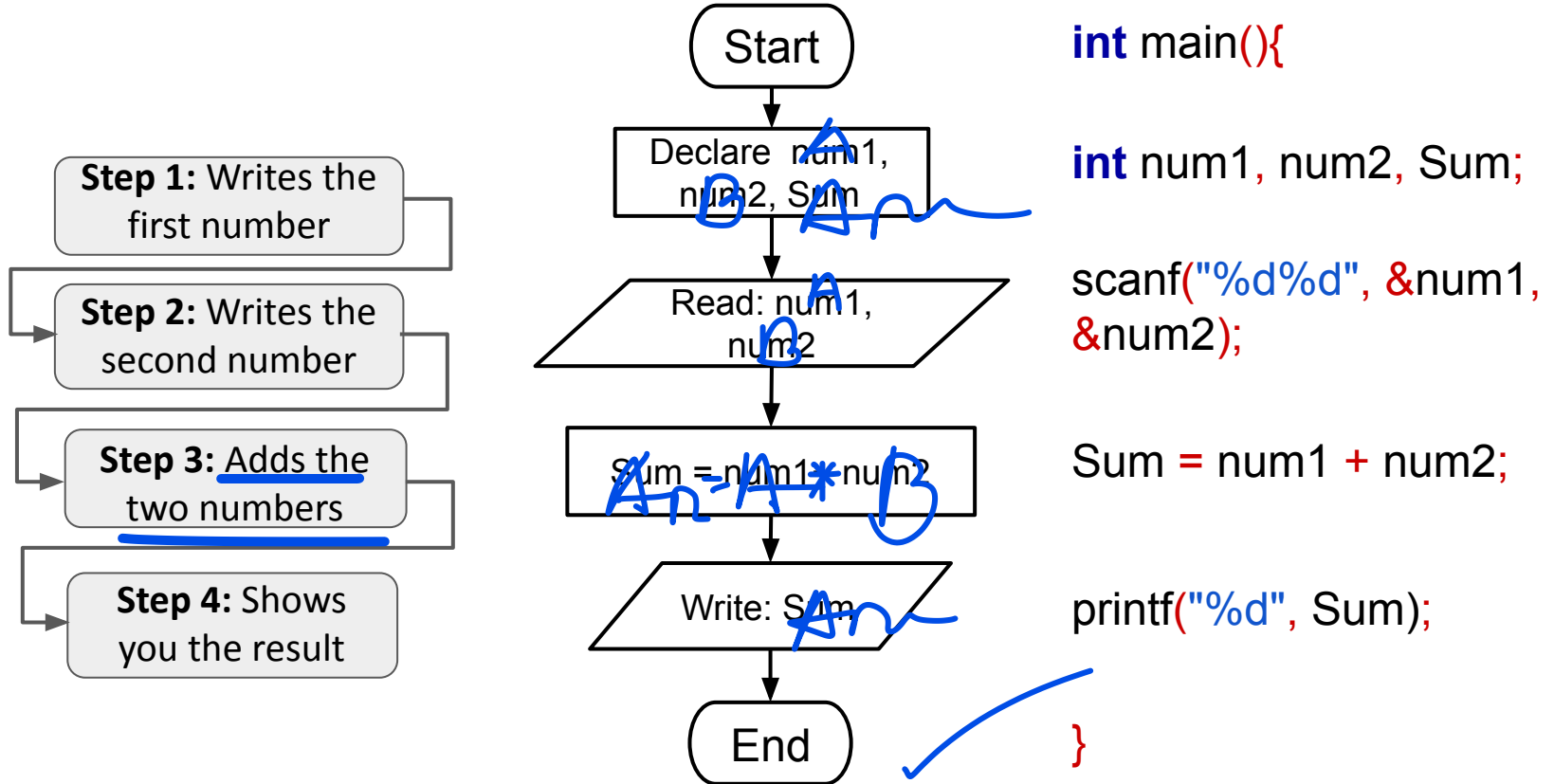
Solution Steps

Let's take a look at the steps to solve this problem with a flowchart:



Solution Steps

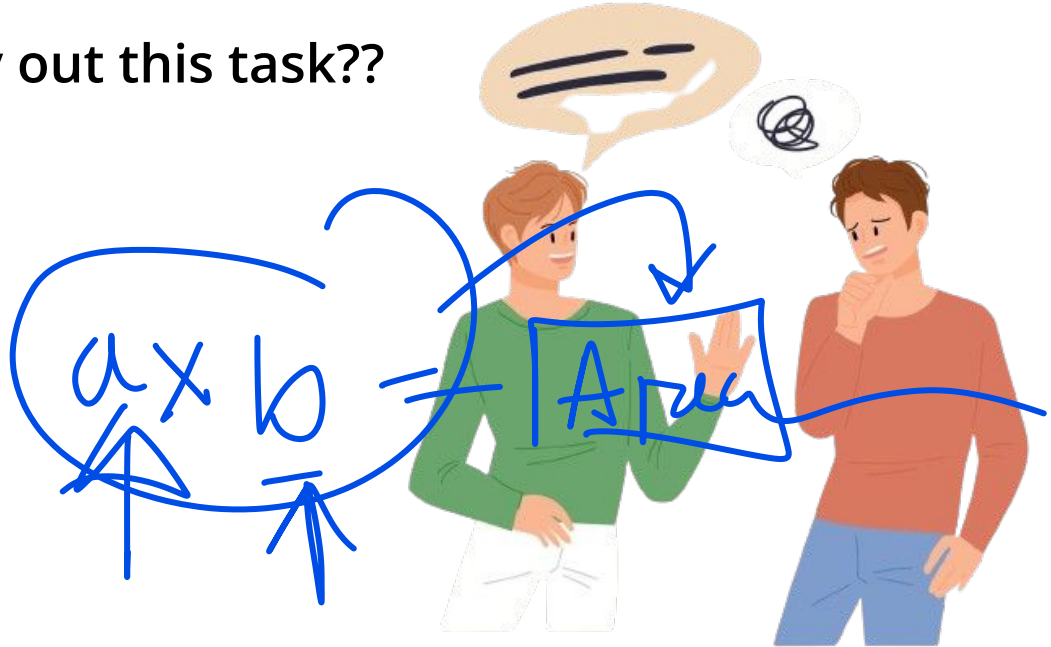
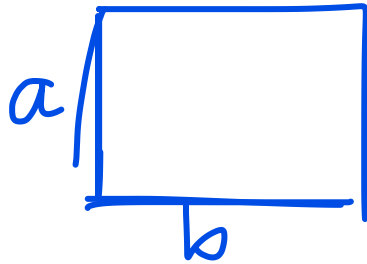
Let's take a look at the steps to solve this problem with basic C code:



Remember the situation,

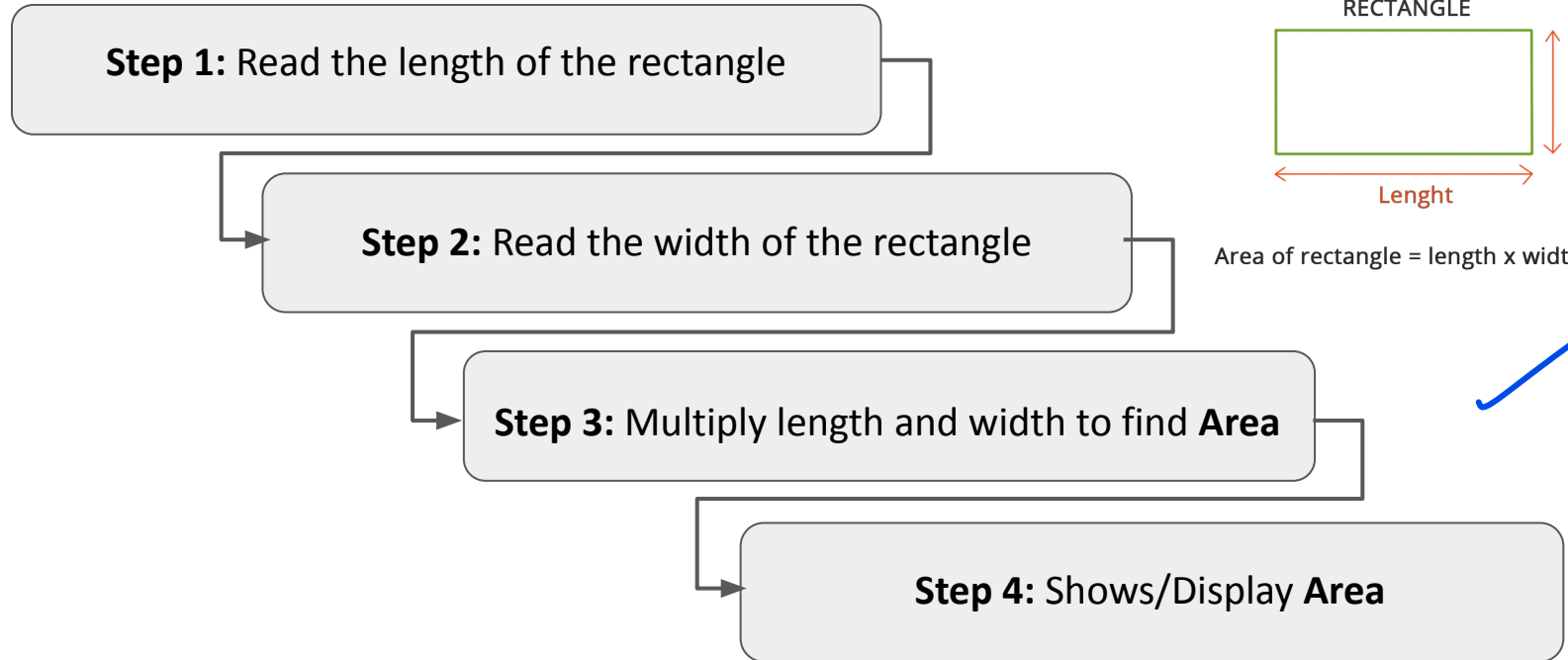
Tell your friend to find the area of a rectangle.

How will your friend carry out this task??



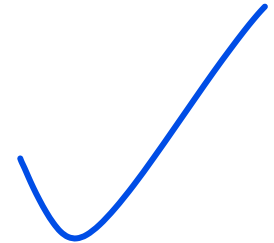
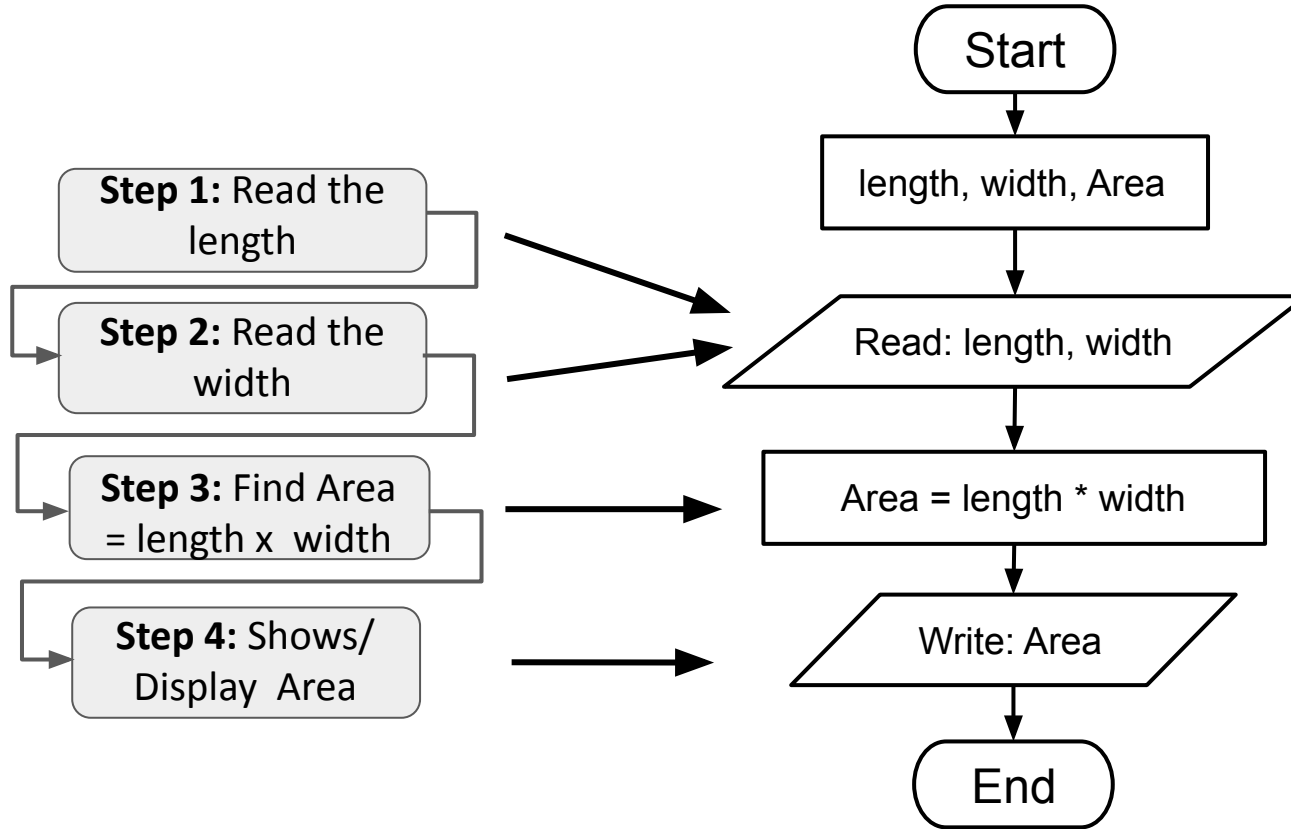
Solution Steps

Let's take a look at the steps taken by your friend to solve this problem:



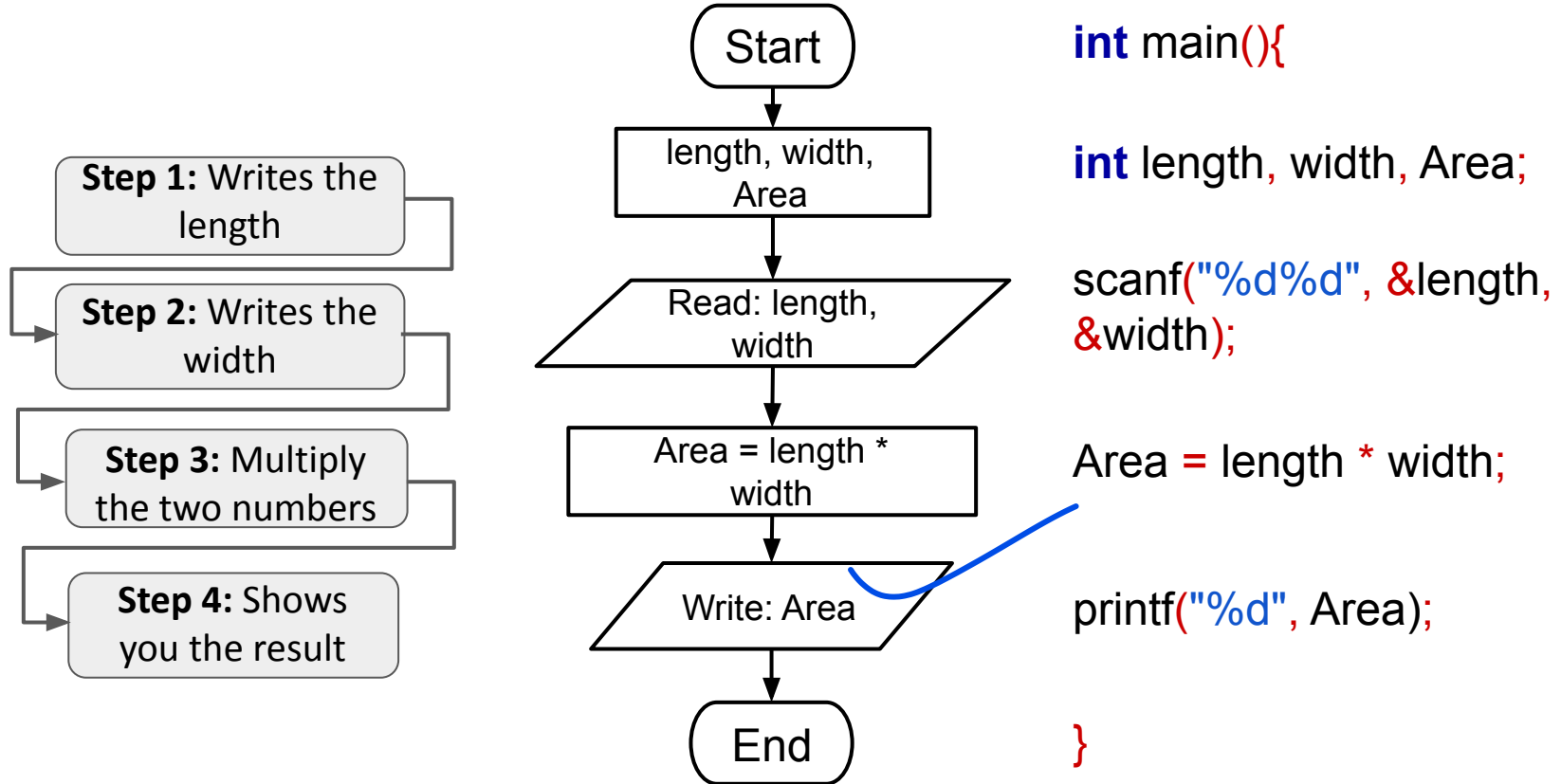
Solution Steps

Let's take a look at the steps to solve this problem with a flowchart:



Solution Steps

Let's take a look at the steps to solve this problem with basic C code:



Remember the situation,

Tell your friend to find the area of a triangle.

How will your friend carry out this task??



Solution Steps

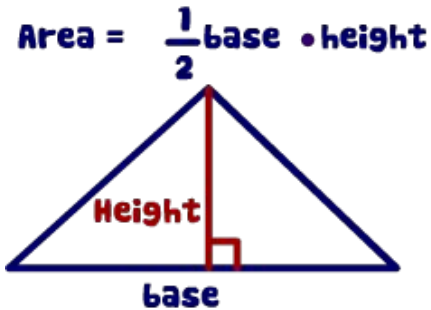
Let's take a look at the steps taken by your friend to solve this problem:

Step 1: Read the height of the triangle

Step 2: Read the base of the triangle

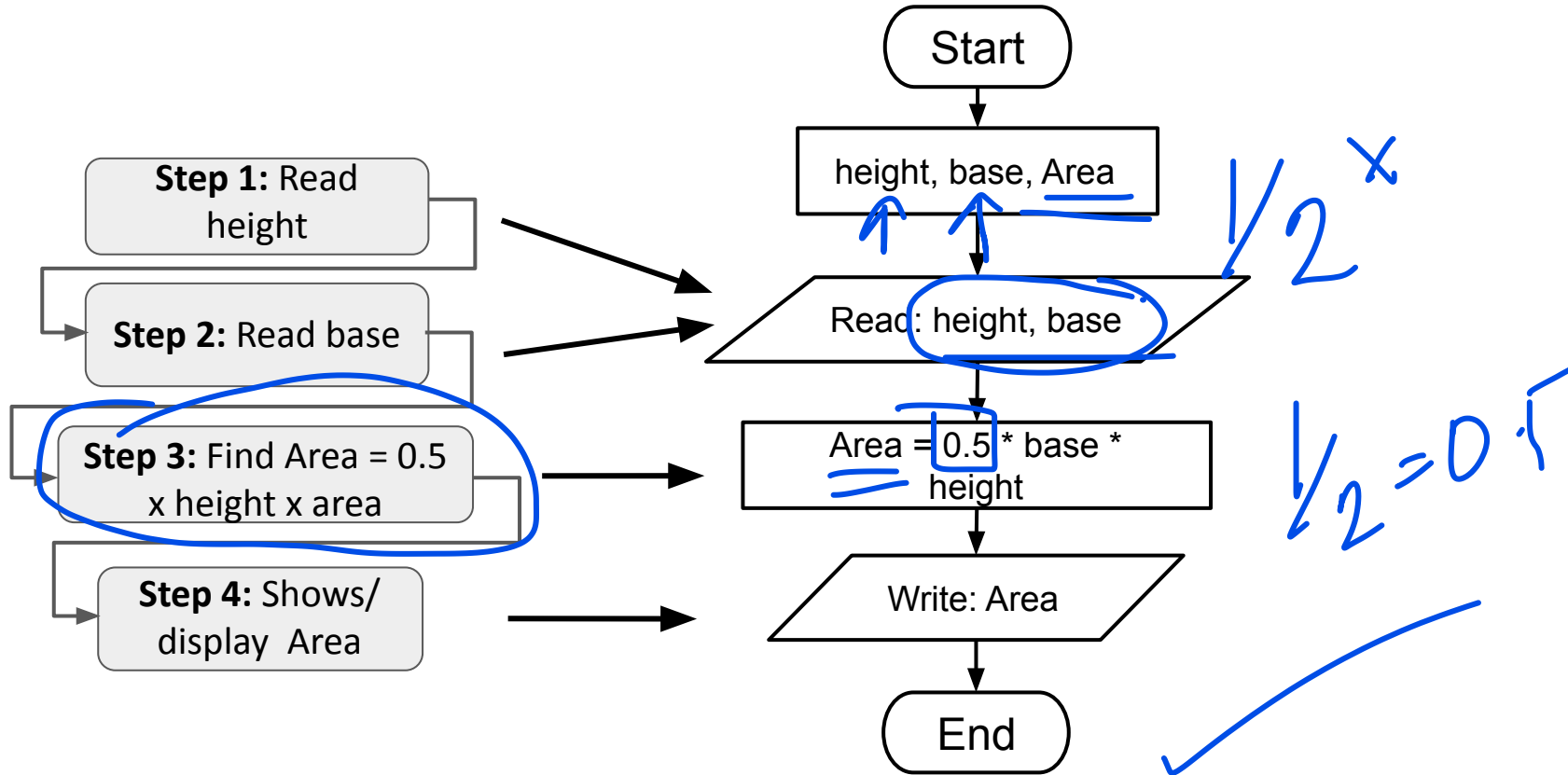
Step 3: Calculate Area = $0.5 \times \text{height} \times \text{base}$

Step 4: Shows the value of Area



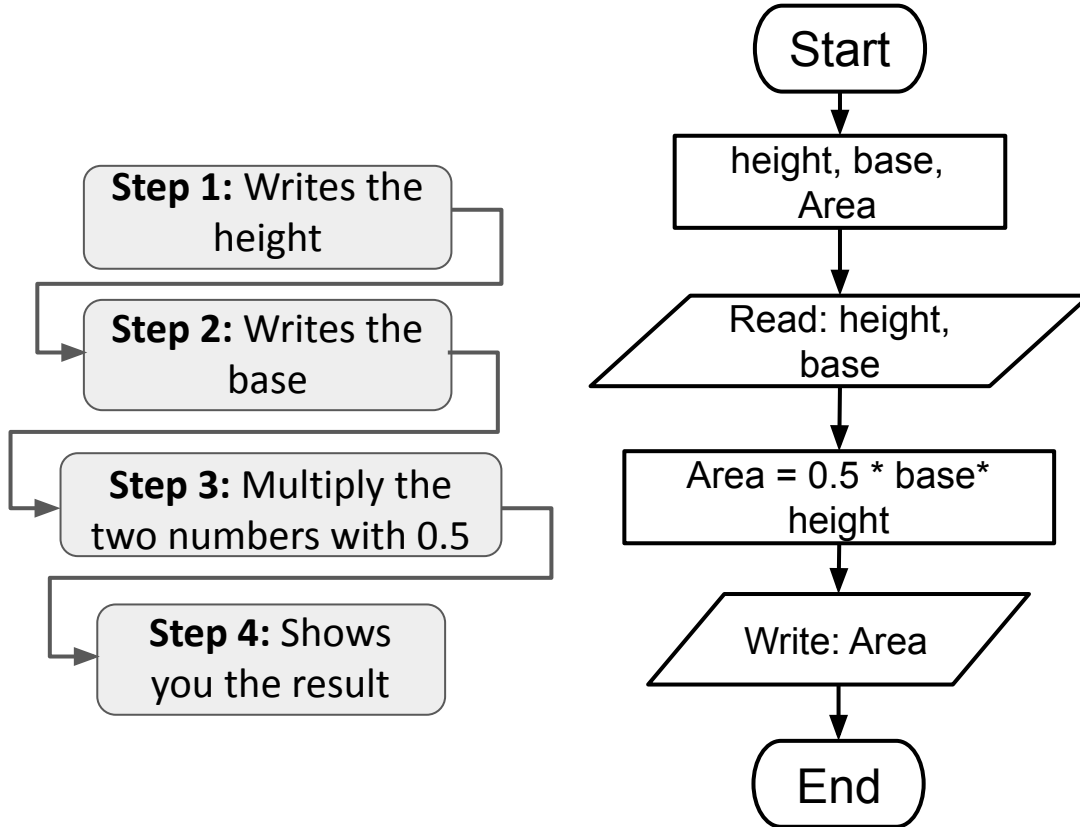
Solution Steps

Let's take a look at the steps to solve this problem with a flowchart:



Solution Steps

Let's take a look at the steps to solve this problem with basic C code:



```
int main(){
```

```
int height, base, Area;
```

```
scanf("%d%d", &height,  
&base);
```

```
Area = 0.5 * base * height;
```

```
printf("%d", Area);
```

```
}
```

Remember the situation,

Tell your friend to find the average of three numbers.

How will your friend carry out this task??

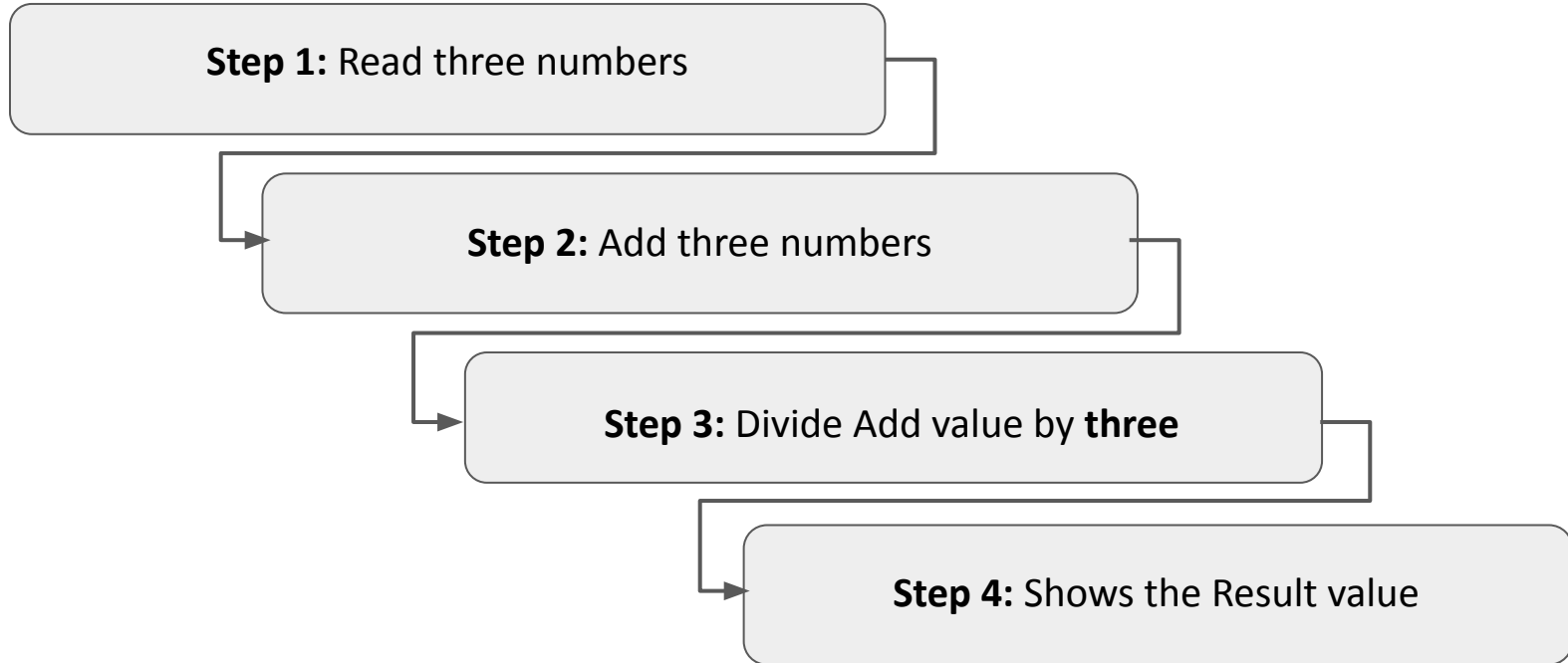
$$\frac{a + b + c}{3}$$

= Avg



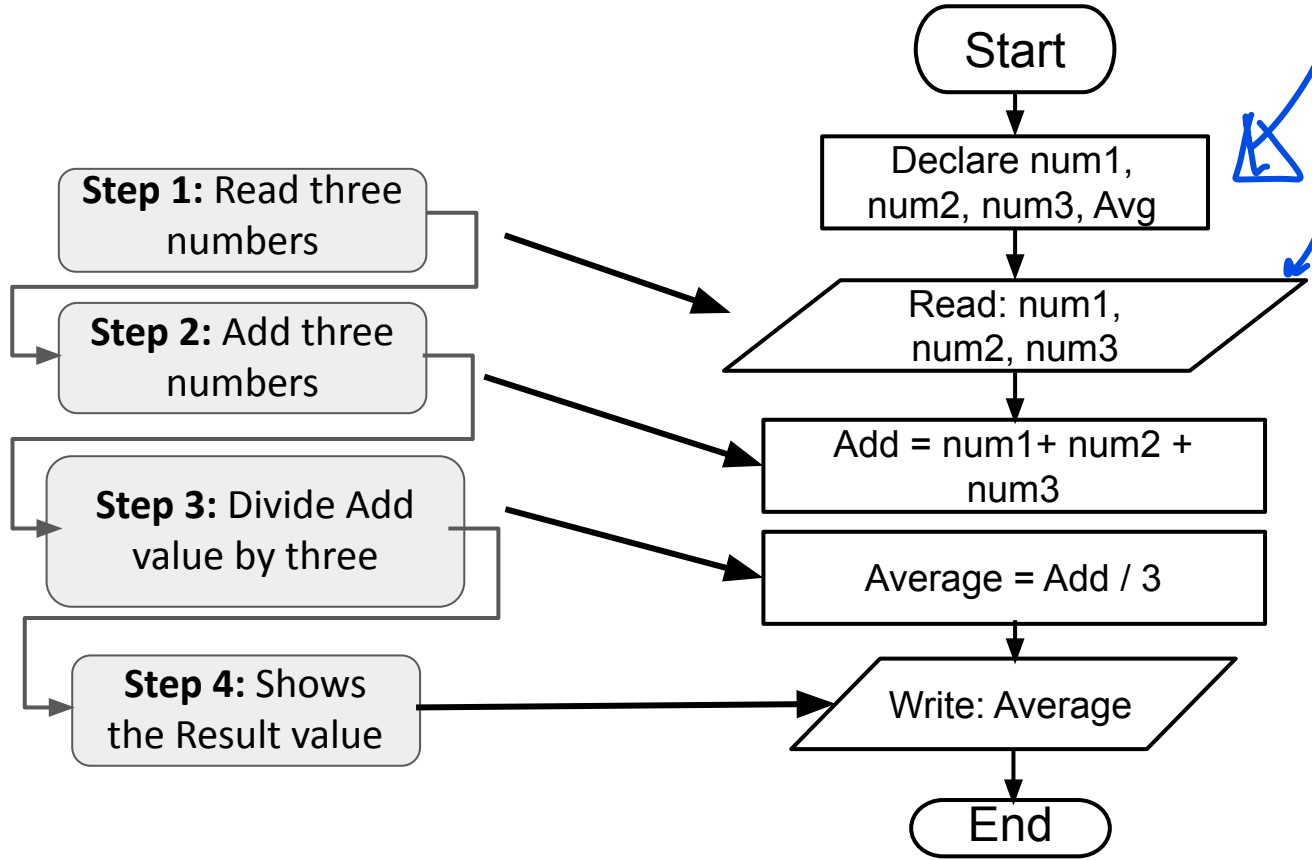
Solution Steps

Let's take a look at the steps taken by your friend to solve this problem:



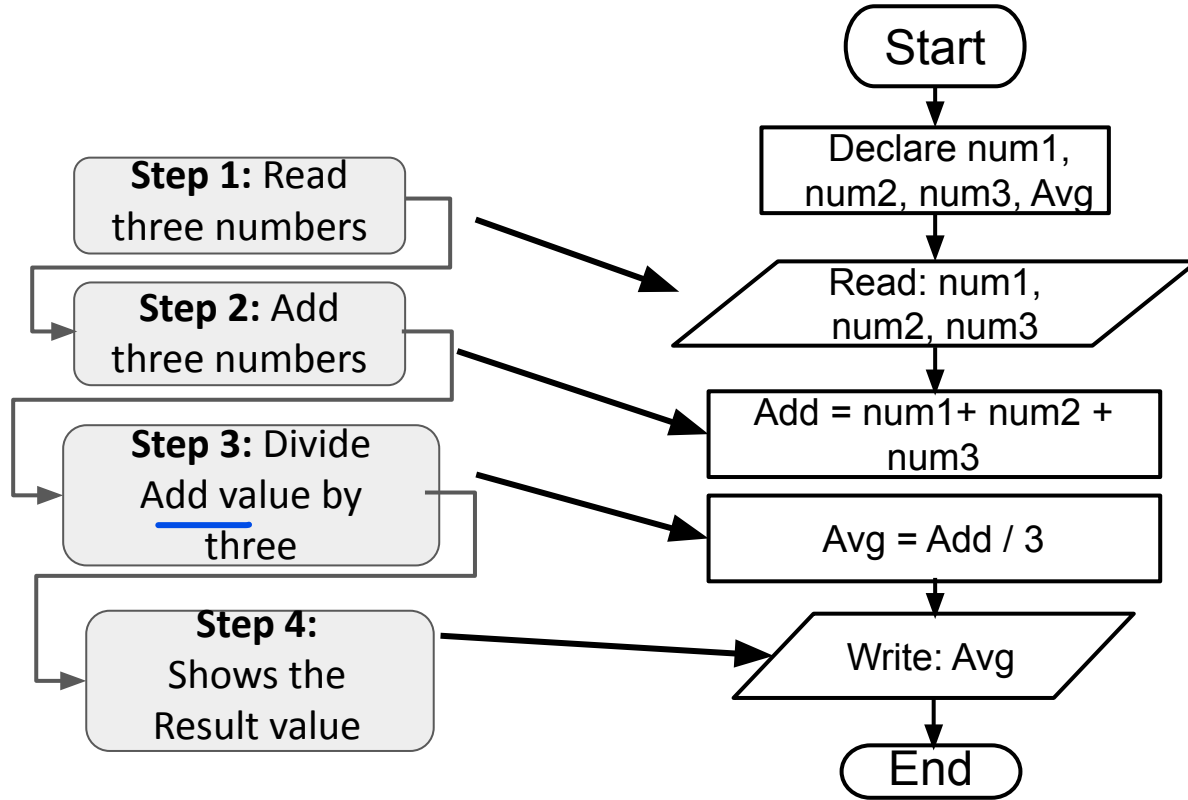
Solution Steps

Let's take a look at the steps to solve this problem with a flowchart:



Solution Steps

Let's take a look at the steps to solve this problem with basic C code:



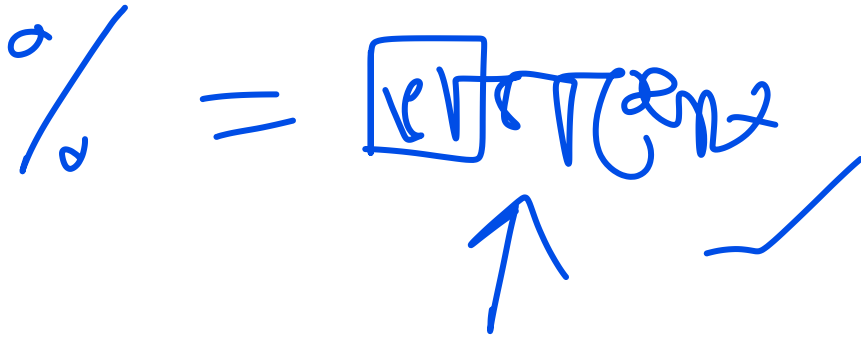
```
int main(){  
    float num1, num2, num3  
    Avg;  
  
    scanf("%d%d %d", &num1,  
        &num2, &num3);  
  
    Add = (num1 + num2 + num3)  
  
    Avg = Add / 3  
  
    printf("%d", Avg);  
  
}
```

Remember the situation,

Tell your friend to find that the given number is odd or even.

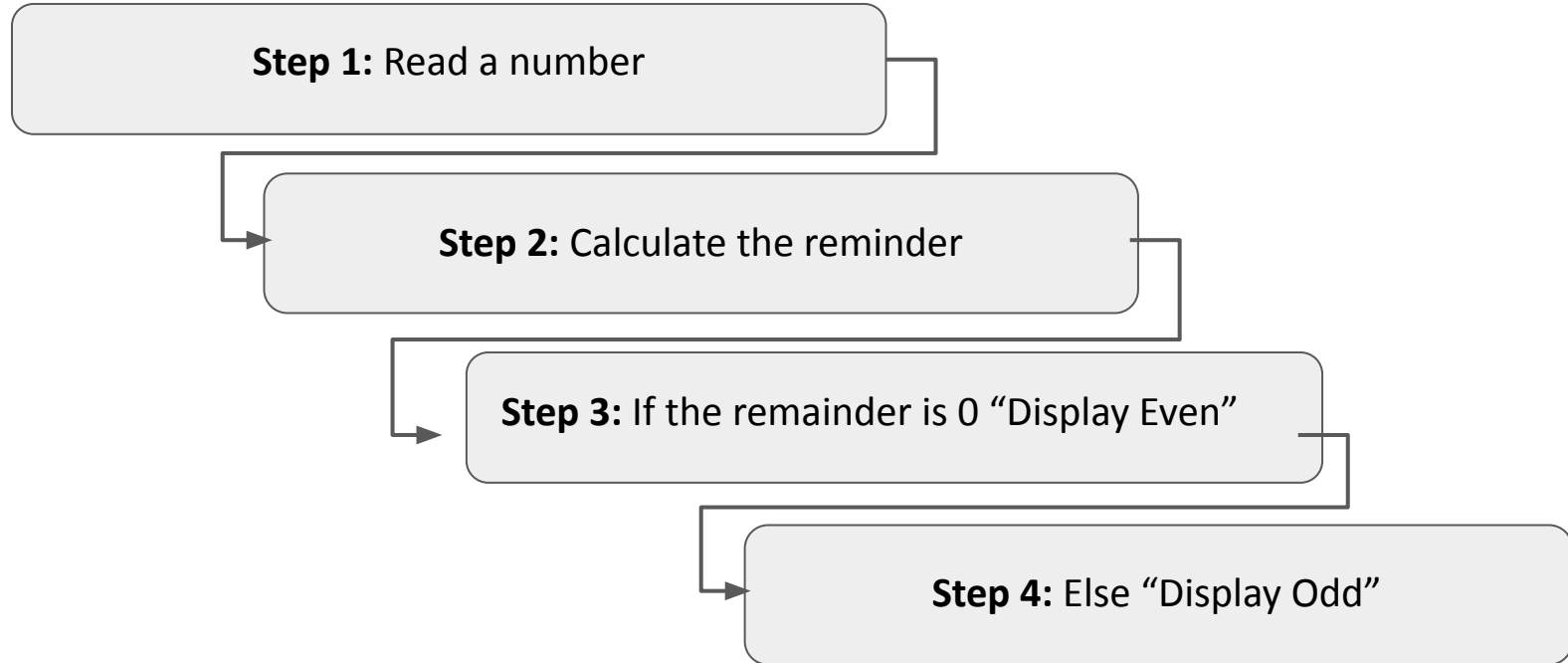
How will your friend carry out this task??

$\%2 = \boxed{\text{even}}$



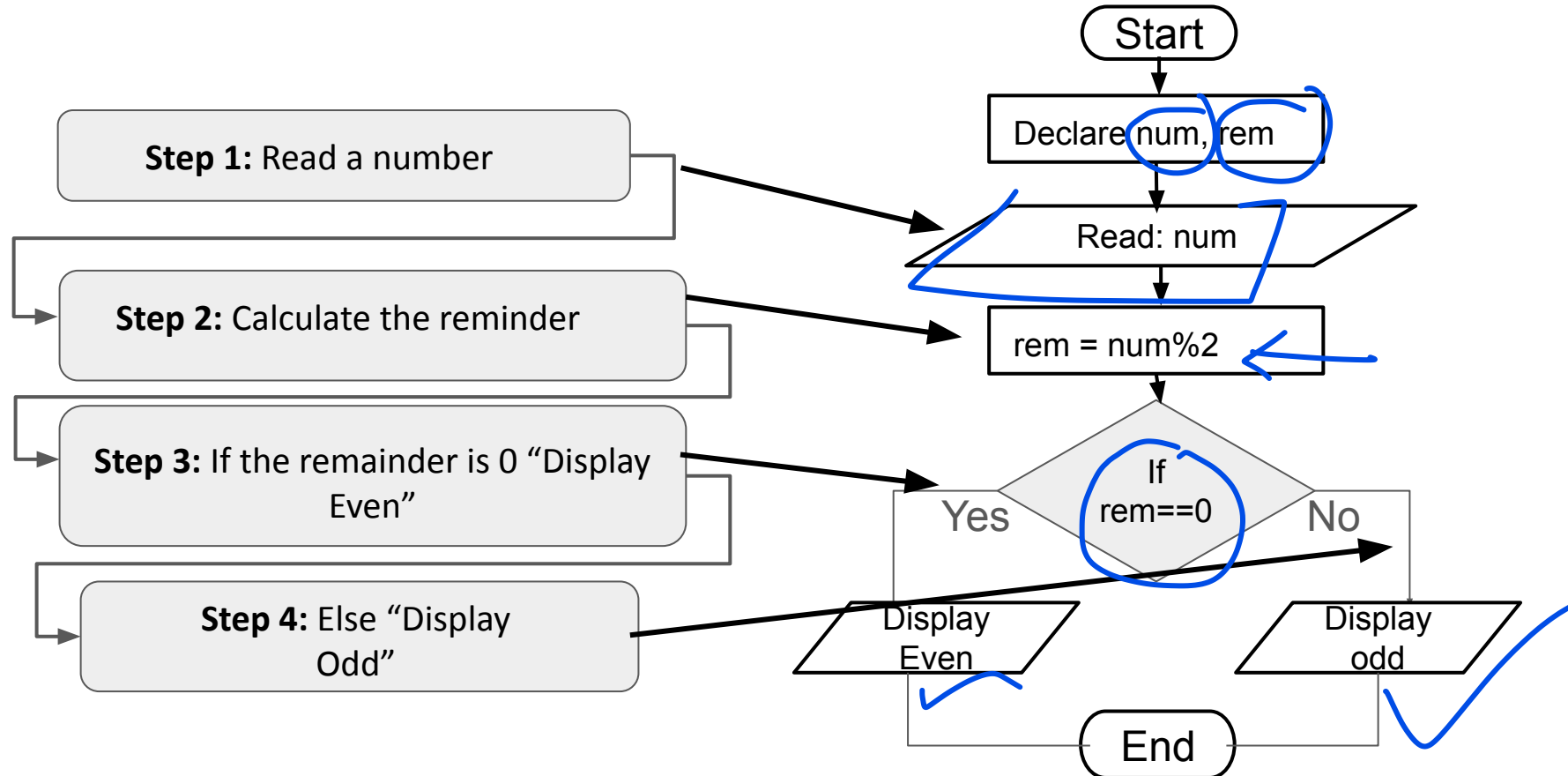
Solution Steps

Let's take a look at the steps taken by your friend to solve this problem:



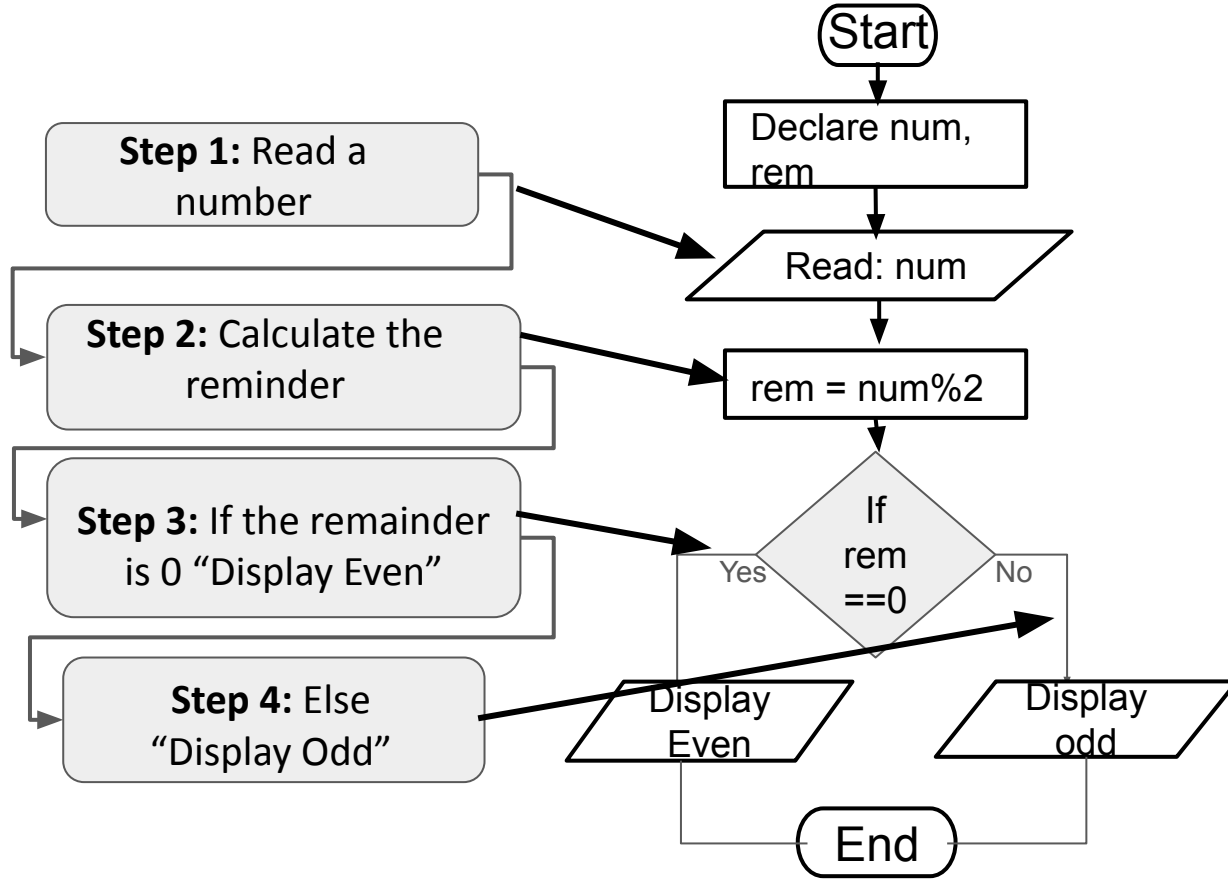
Solution Steps

Let's take a look at the steps to solve this problem with a flowchart:



Solution Steps

Let's take a look at the steps to solve this problem with a flowchart:



```
int main(){  
    int num, rem;  
    scanf("%d", &num);  
    rem=num%2;  
    if (rem == 0){  
        printf("Even");  
    }  
    else{  
        printf("Odd");  
    }  
}
```

Any Questions?

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Thank you