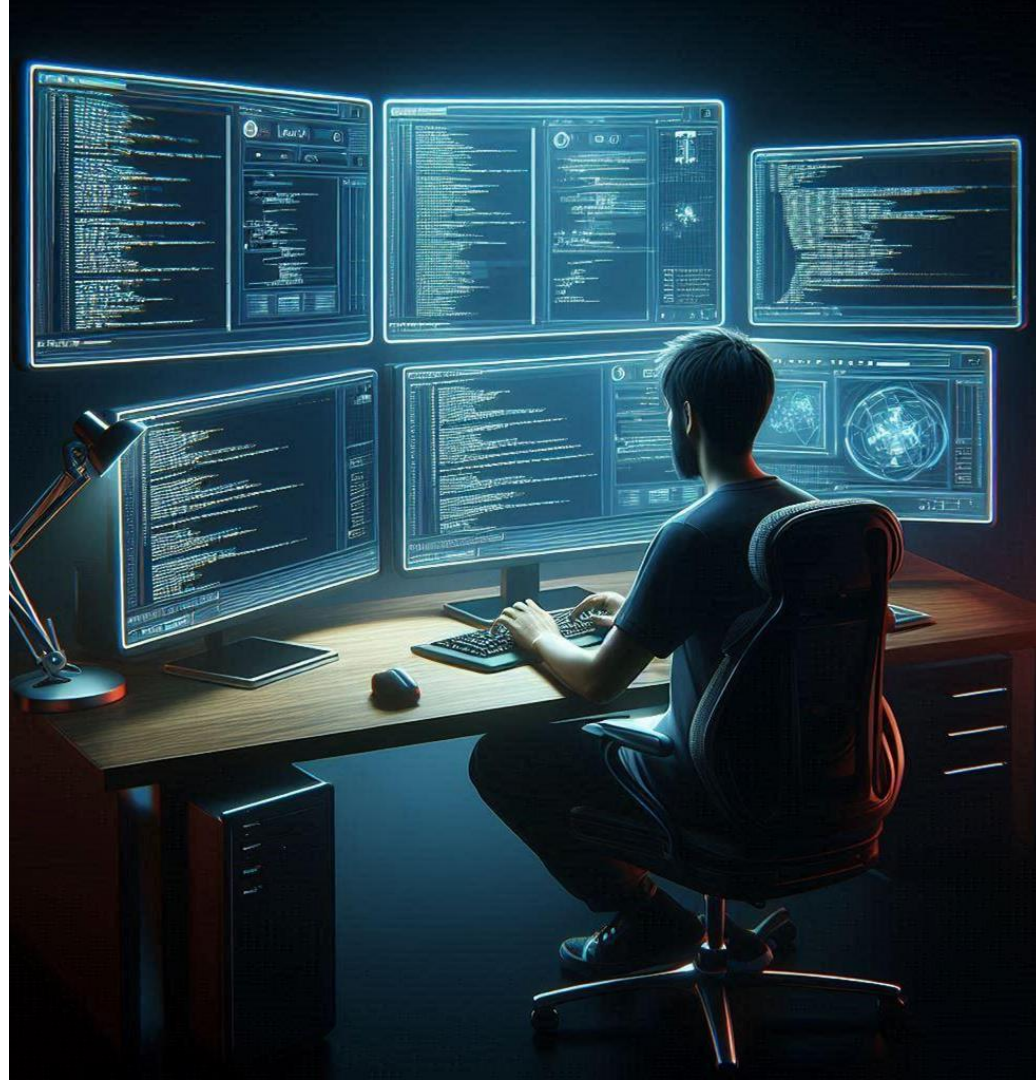


CSE 1110

Introduction to Computer System (Class III)



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

Remember the situation,

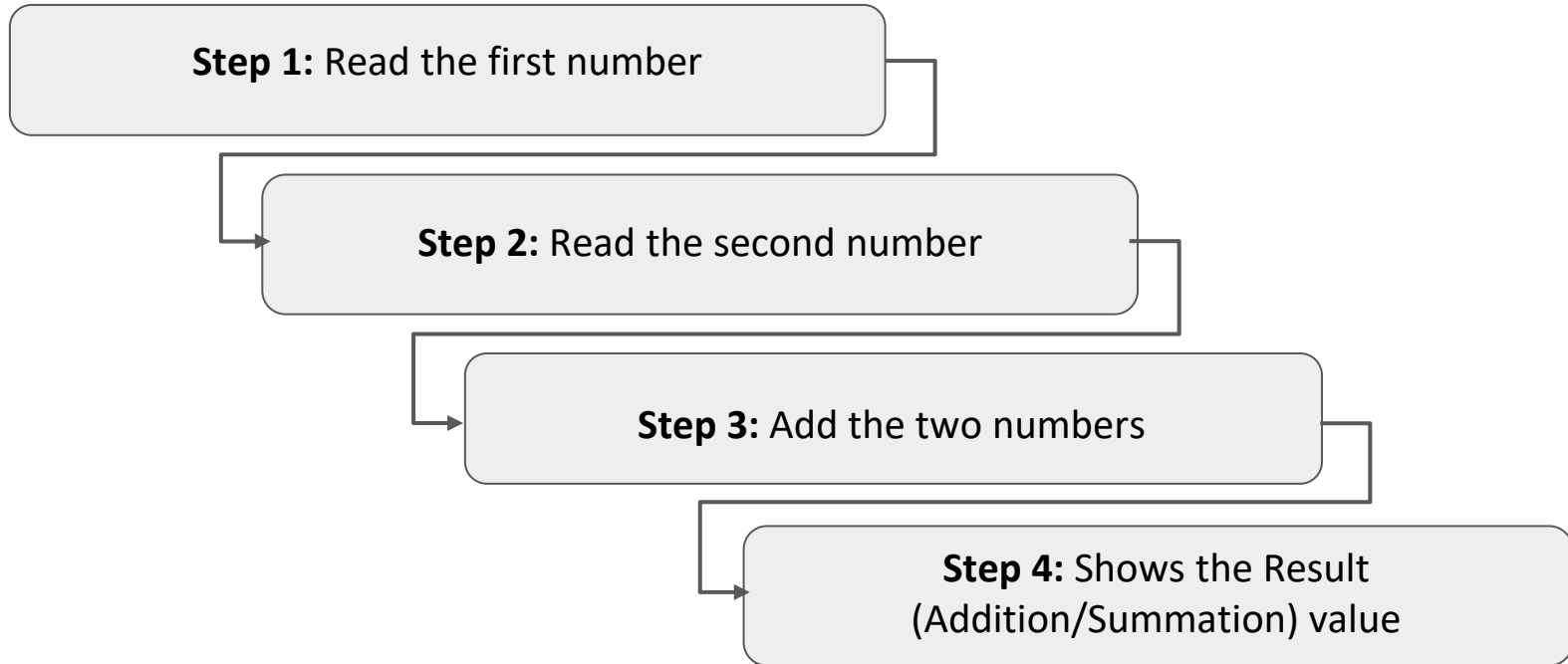
Tell your friend to **find the sum of two numbers**.

How will your friend carry out this task??



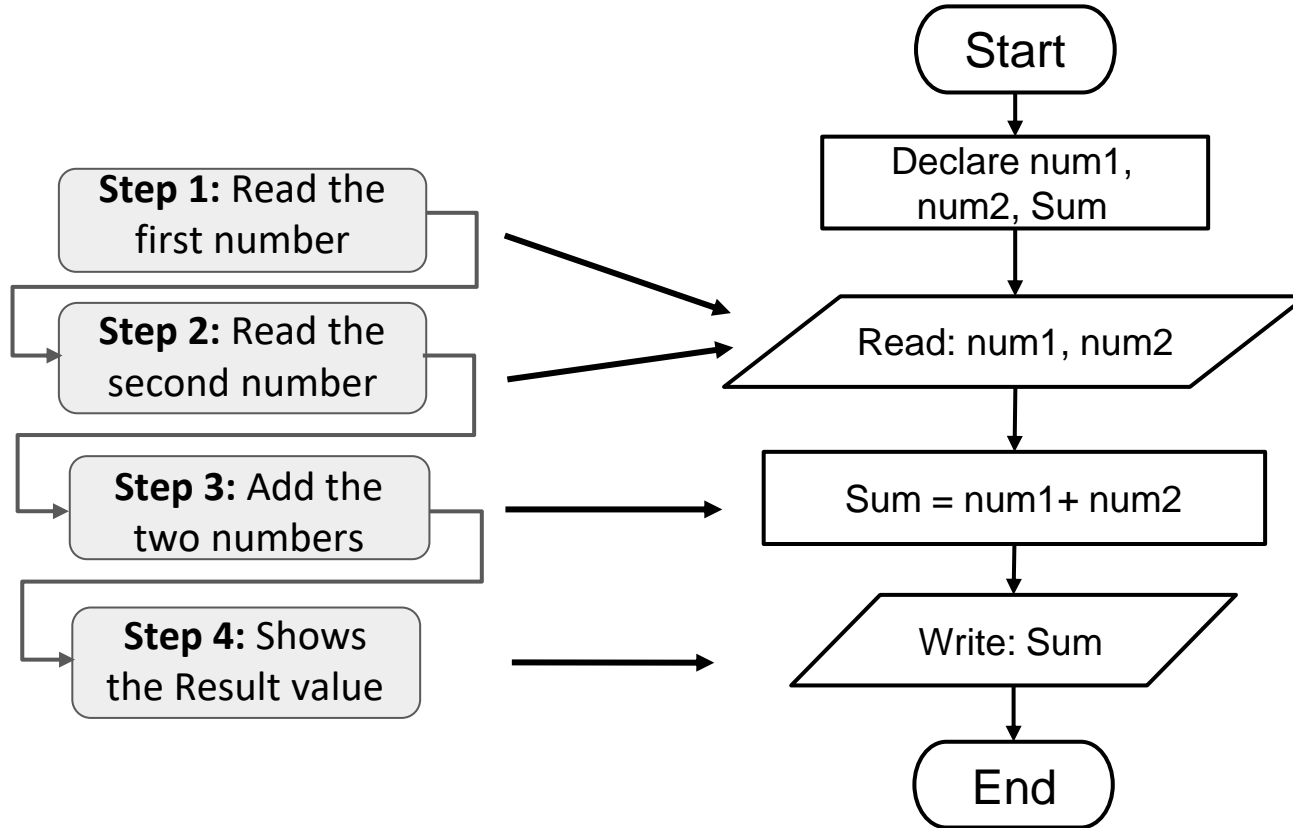
Solution Steps

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



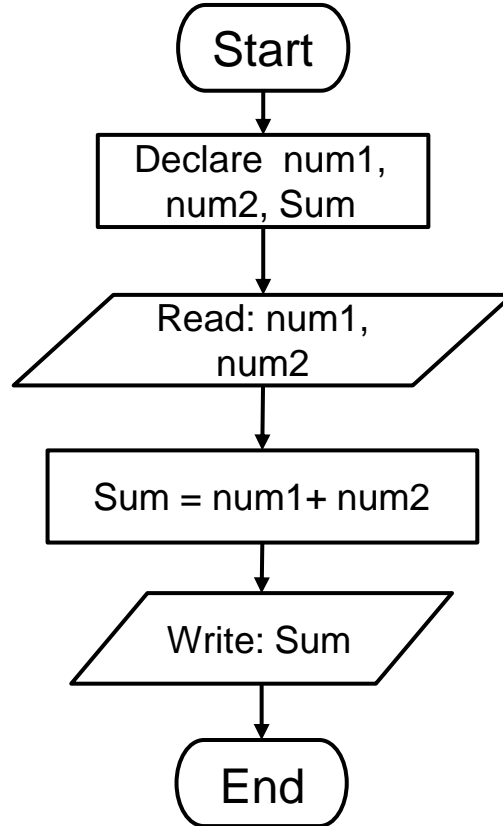
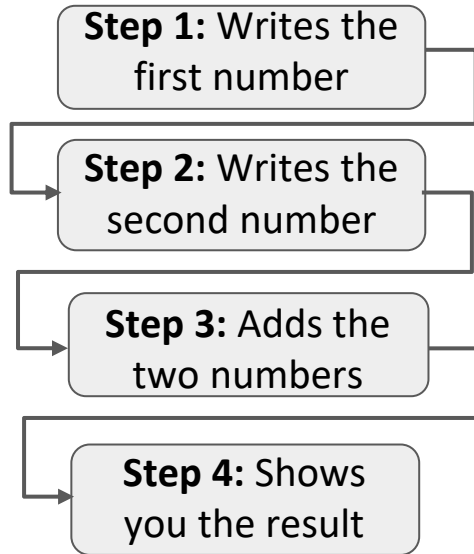
Solution Steps

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:



```
int main(){  
  
    int num1, num2, Sum;  
  
    scanf("%d%d", &num1,  
        &num2);  
  
    Sum = num1 + num2;  
  
    printf("%d", Sum);  
  
}
```

Remember the situation,

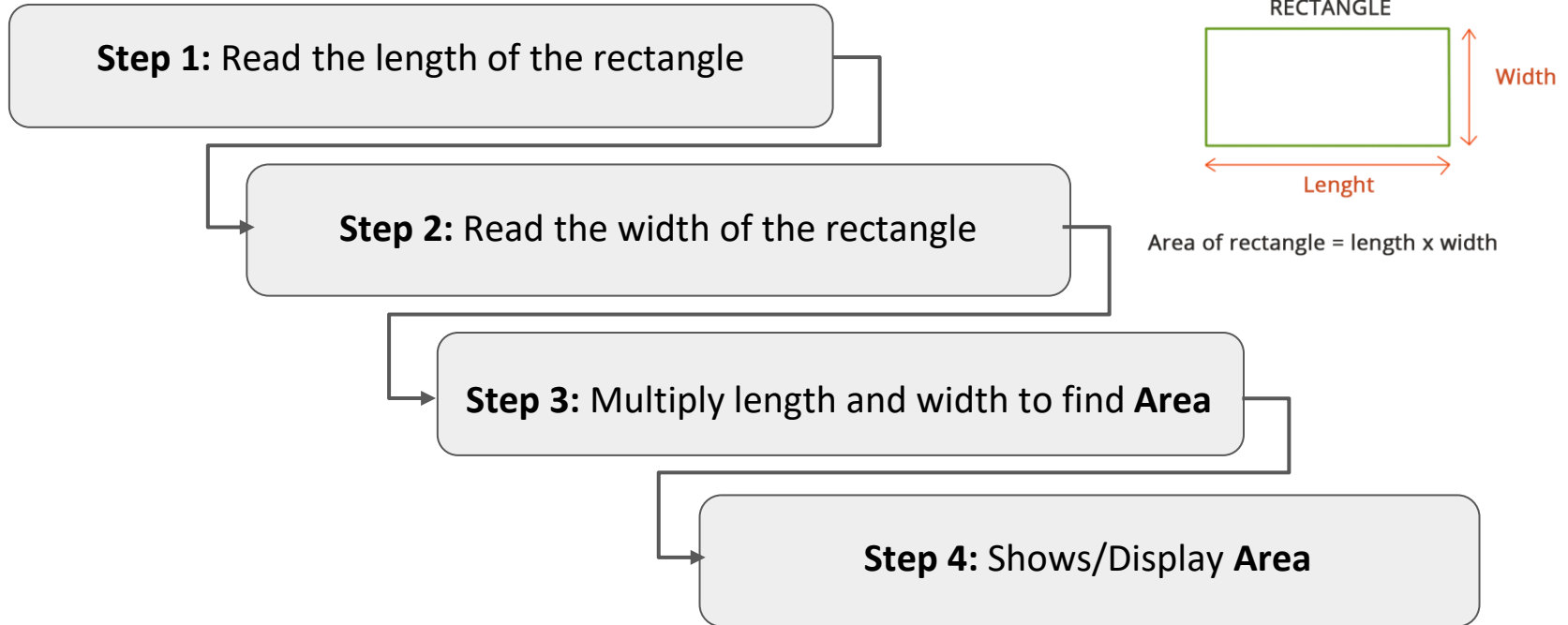
Tell your friend to **find the area of a rectangle**.

How will your friend carry out this task??



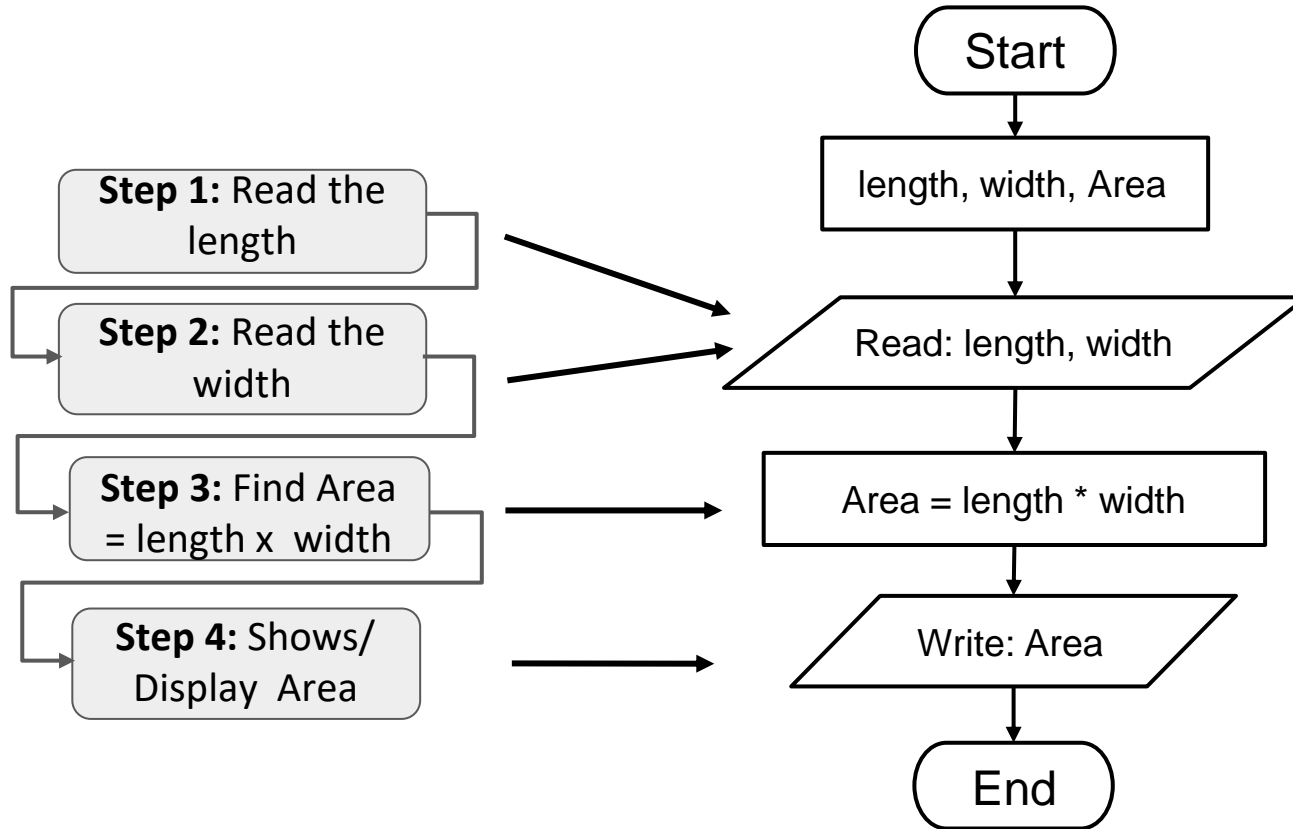
Solution Steps

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



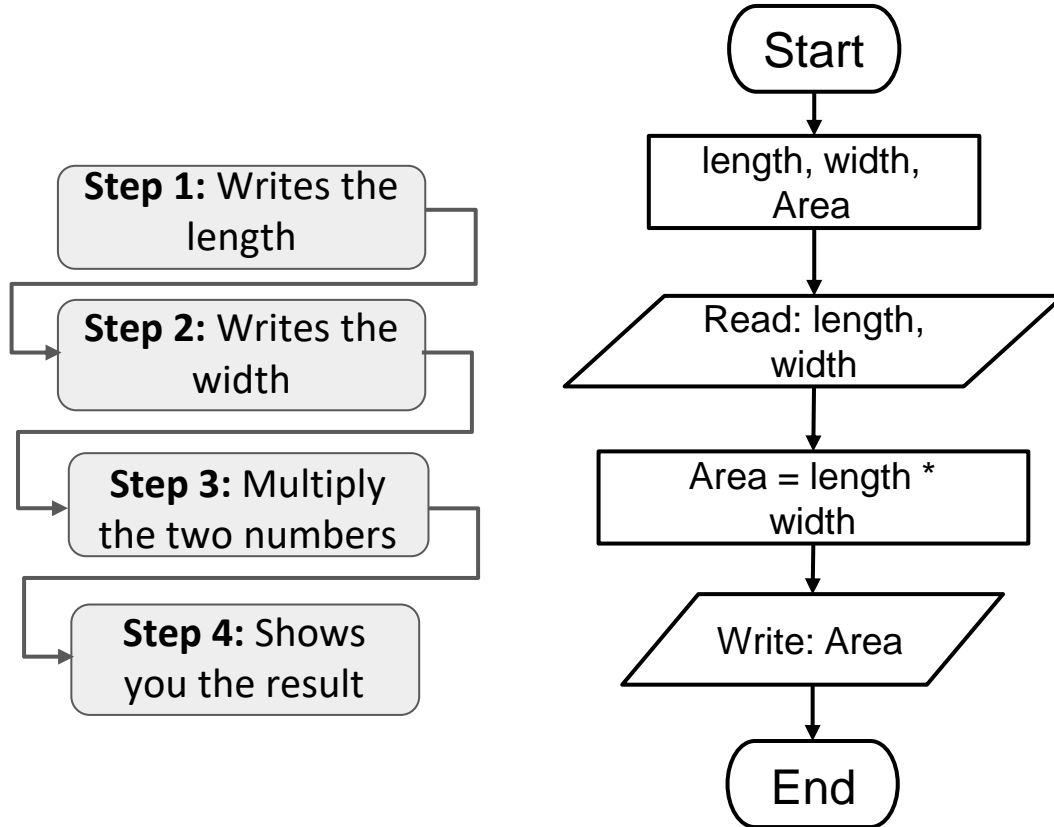
Solution Steps

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:



```
int main(){  
  
int length, width, Area;  
  
scanf("%d%d", &length,  
&width);  
  
Area = length * width;  
  
printf("%d", Area);  
  
}
```

Remember the situation,

Tell your friend to **find the area of a triangle**.

How will your friend carry out this task??



Solution Steps

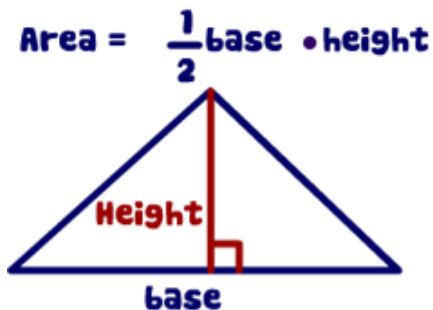
Let's take a look at the steps taken by your friend to solve this problem:

Step 1: Read the height of the triangle

Step 2: Read the base of the triangle

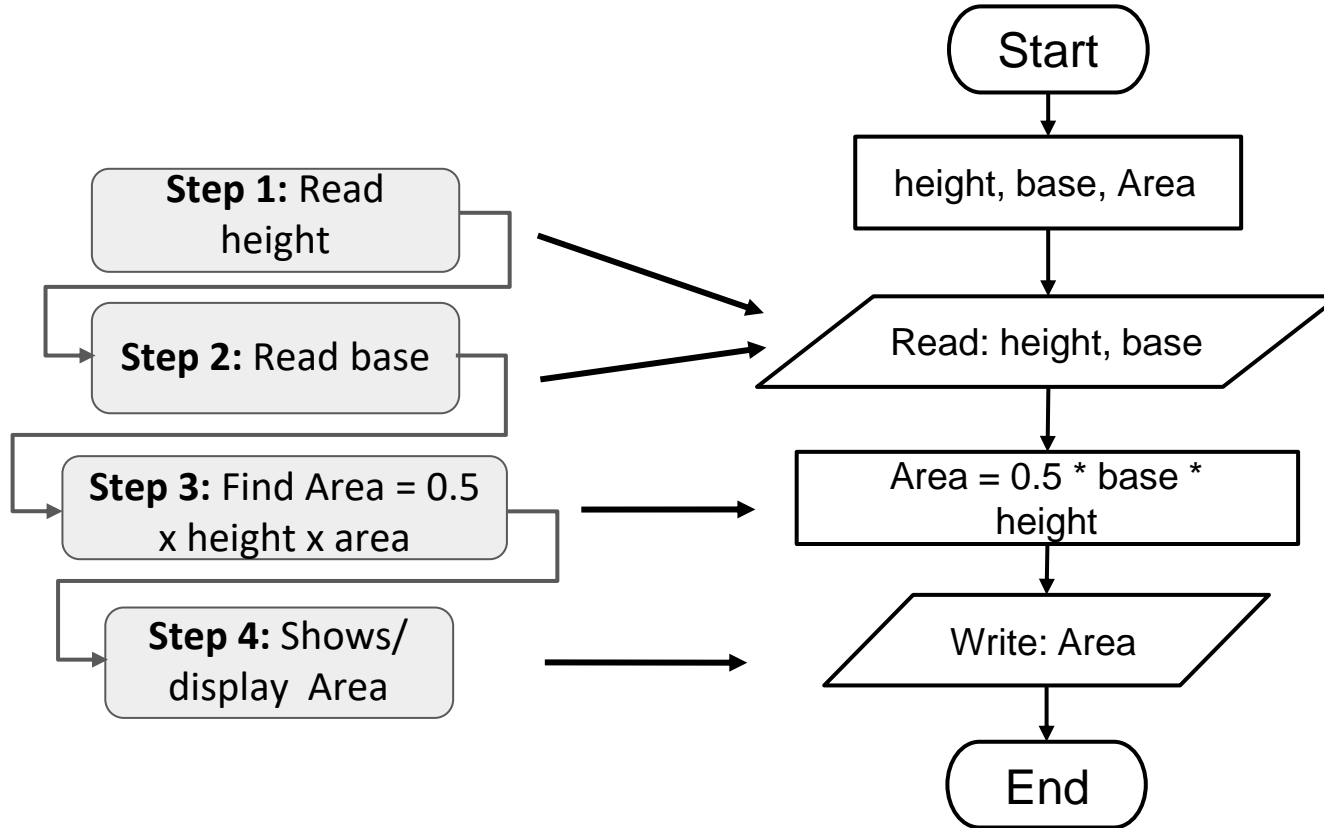
Step 3: Calculate Area = 0.5 x height x base

Step 4: Shows the value of Area



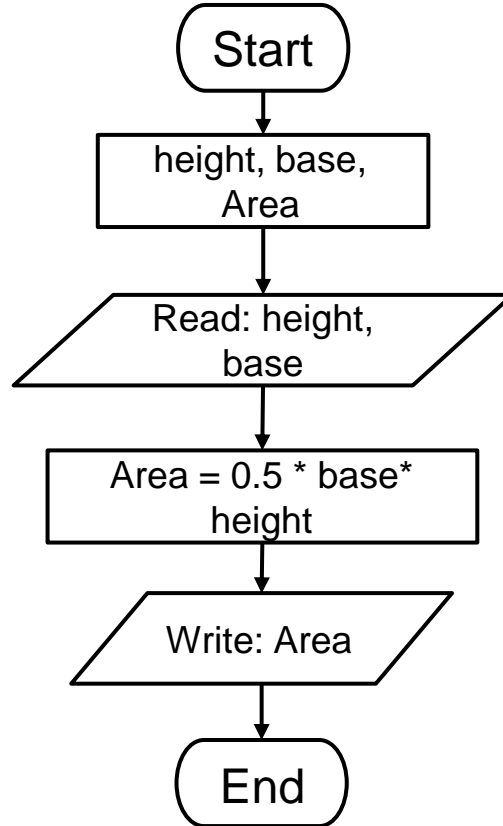
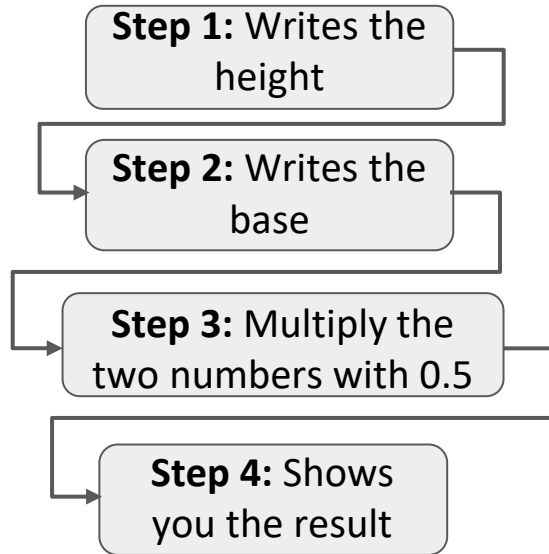
Solution Steps

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,

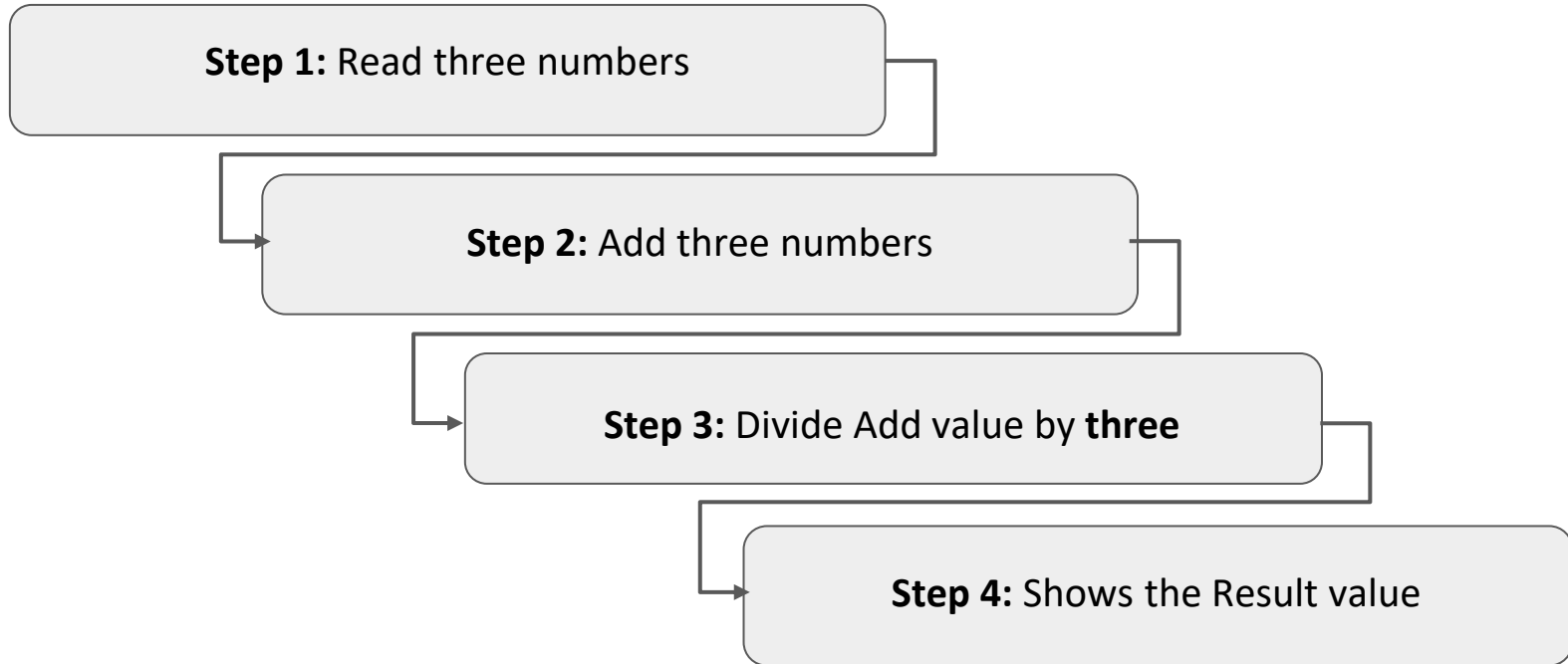
Tell your friend to **find the average of three numbers**.

How will your friend carry out this task??



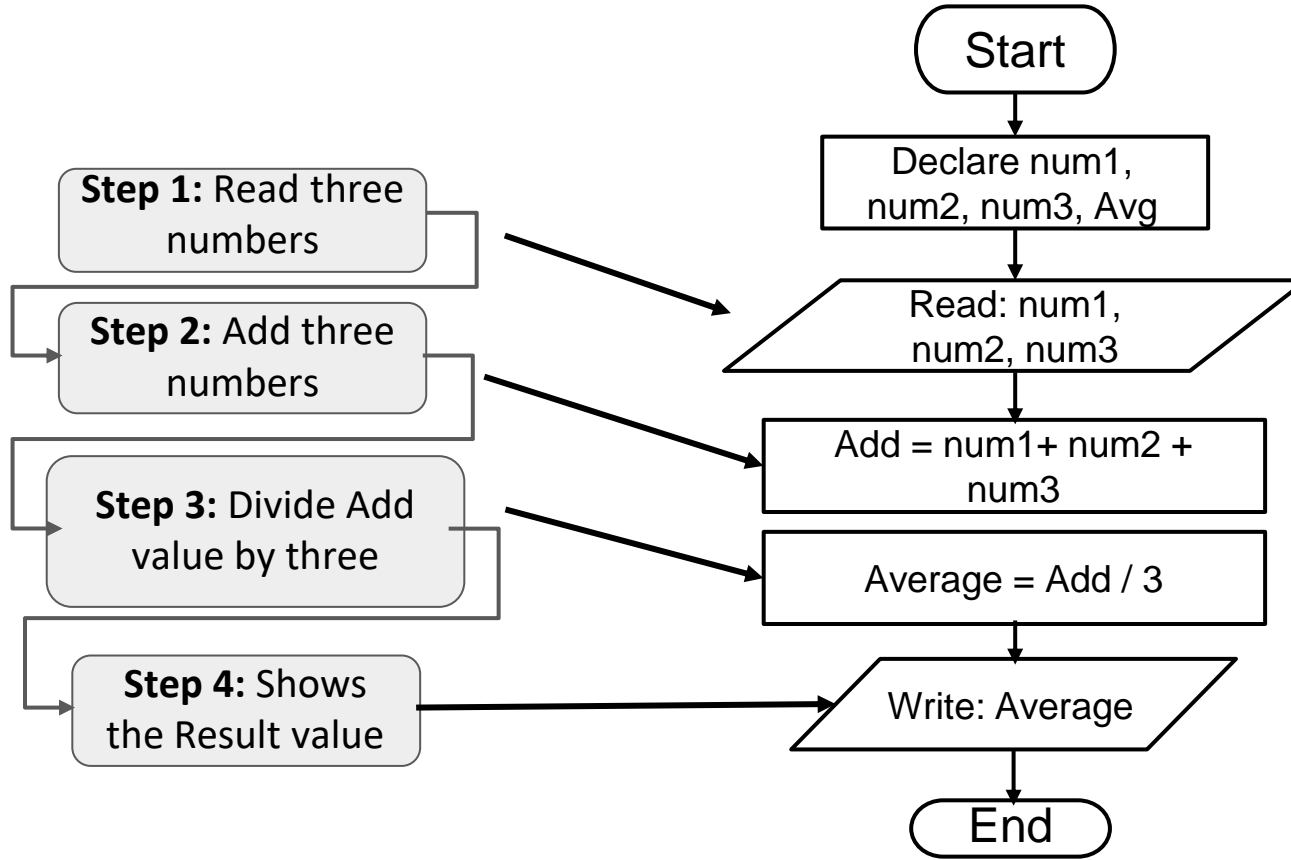
Solution Steps

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



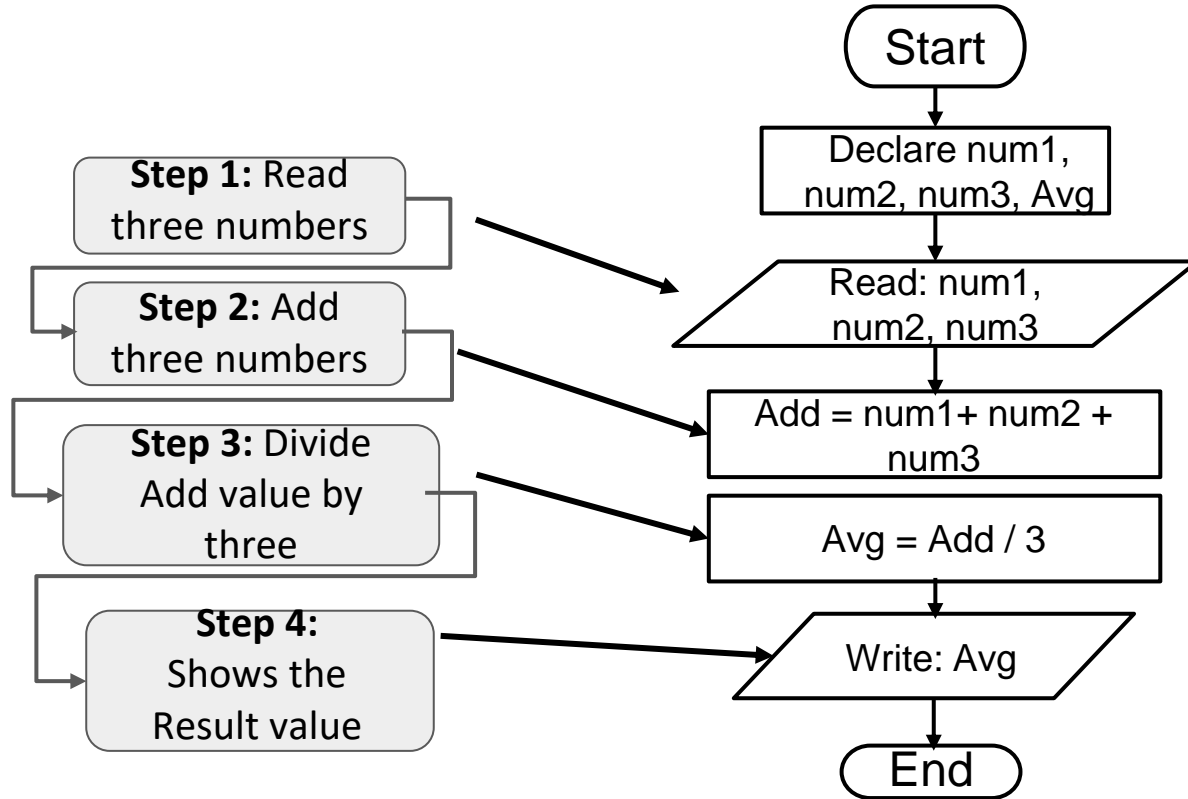
Solution Steps

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,

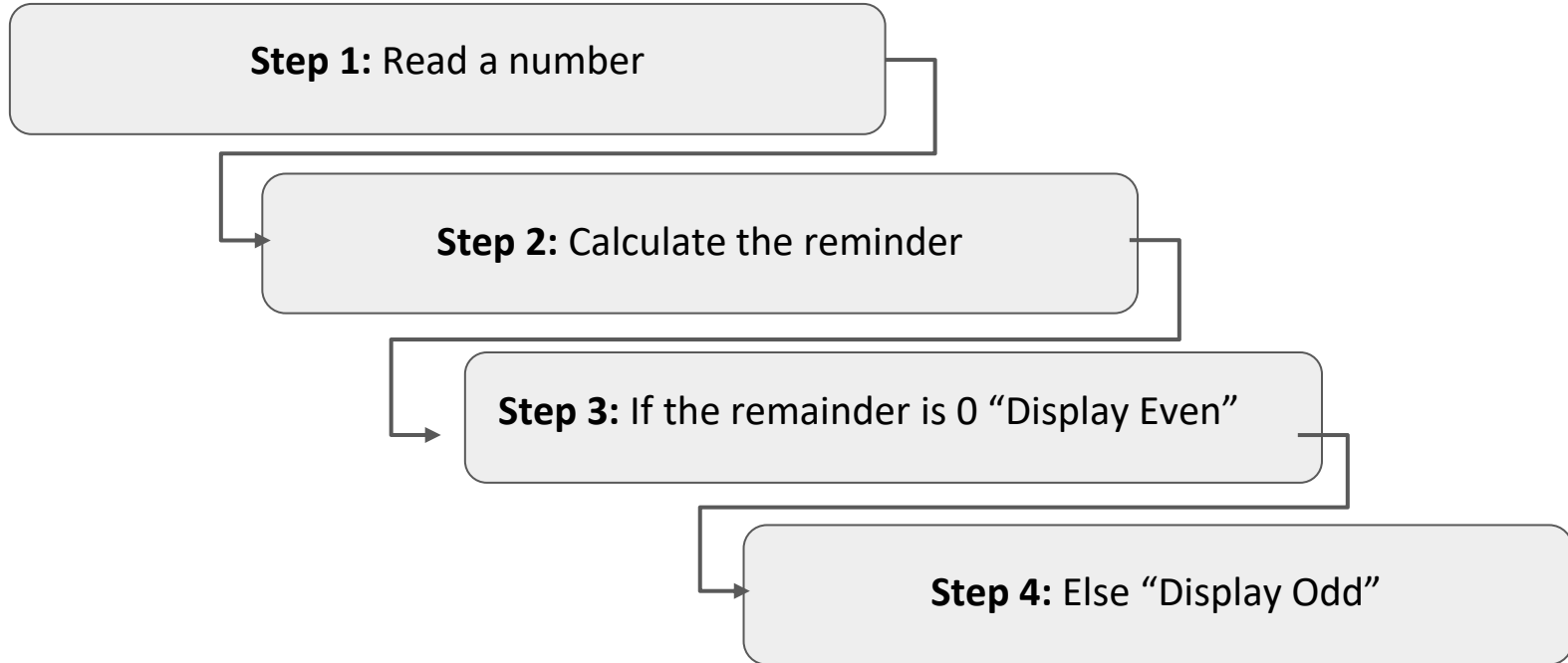
Tell your friend to **find that the given number is odd or even.**

How will your friend carry out this task??



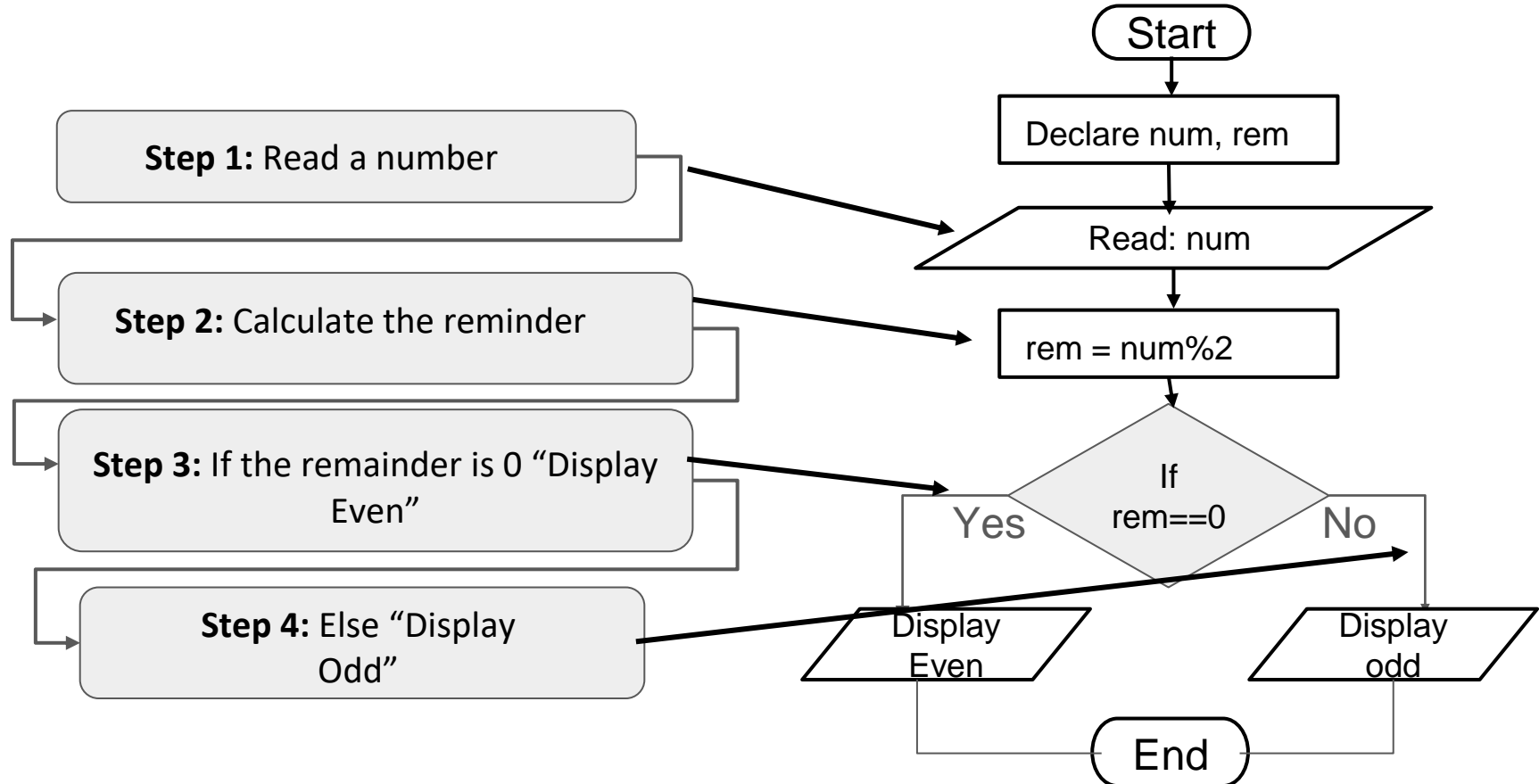
Solution Steps

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



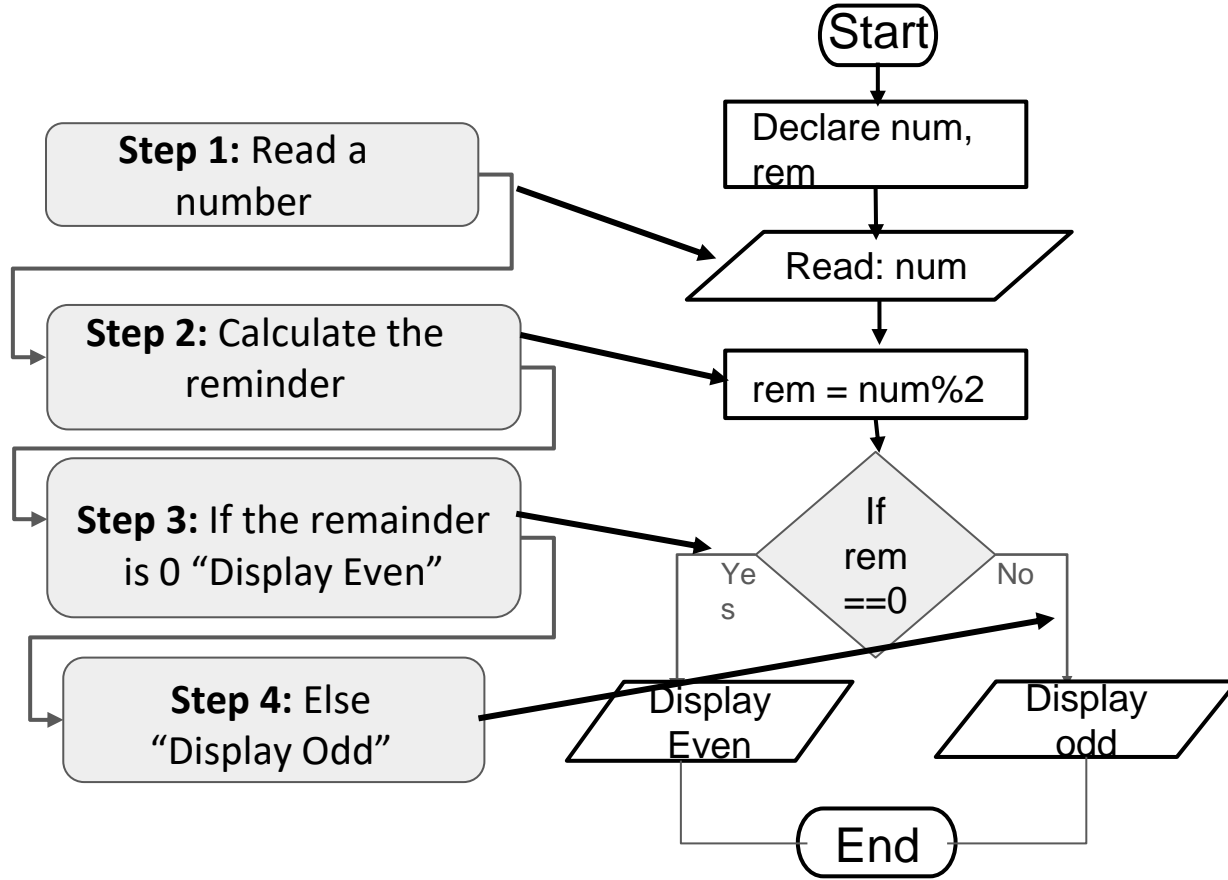
Solution Steps

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?

Next Class

CT on Solution Steps and Flow Chart

**We will write and run the codes in CodeBlock.
We will write Flow Chart and Code in Script.**

Try to bring your Laptop having the codes (if possible), otherwise bring the codes in google doc

Thank you