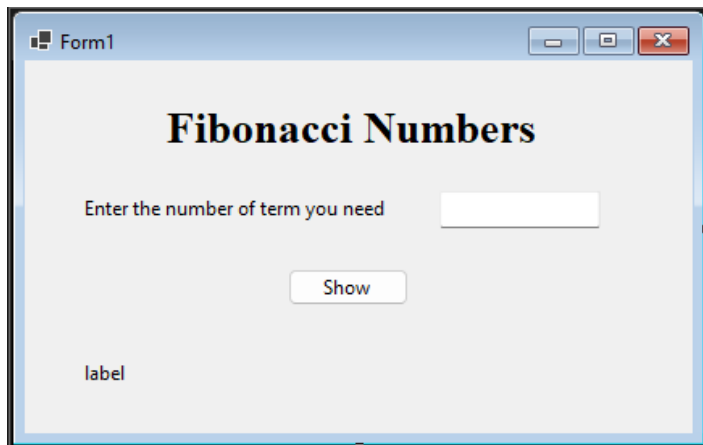


**Exercise 01**

01.



03.

```

namespace Lab_04
{
    public partial class Form1 : Form
    {
        public Form1()
        {
            InitializeComponent();
        }

        private void button1_Click(object sender, EventArgs e)
        {
            int n, first = 0, second = 1, next = 0, c;

            if (textBox1.Text == "")
            {
                MessageBox.Show("Please enter a number to proceed", "Warning",
                    MessageBoxButtons.OKCancel, MessageBoxIcon.Warning);
            }
            else
            {
                n = int.Parse(textBox1.Text);

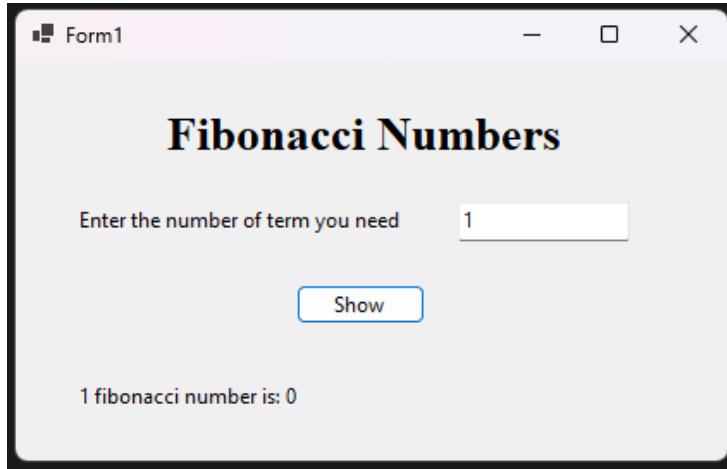
                for (c = 0; c < second; c++)
                {
                    if (c <= 1)
                    {
                        next = c;
                    }
                    else
                    {
                        next = first + second;
                        first = second;
                        second = next;
                    }
                }

                lblDisplay.Text = n + " fibonacci number is: " + next;
            }
        }
    }
}

```

```
    }  
  }  
}
```

04.



Form1

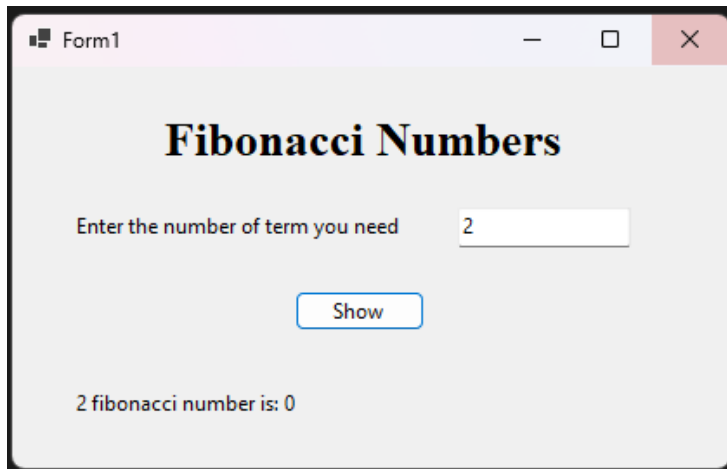
## Fibonacci Numbers

Enter the number of term you need

Show

1 fibonacci number is: 0

05.



Form1

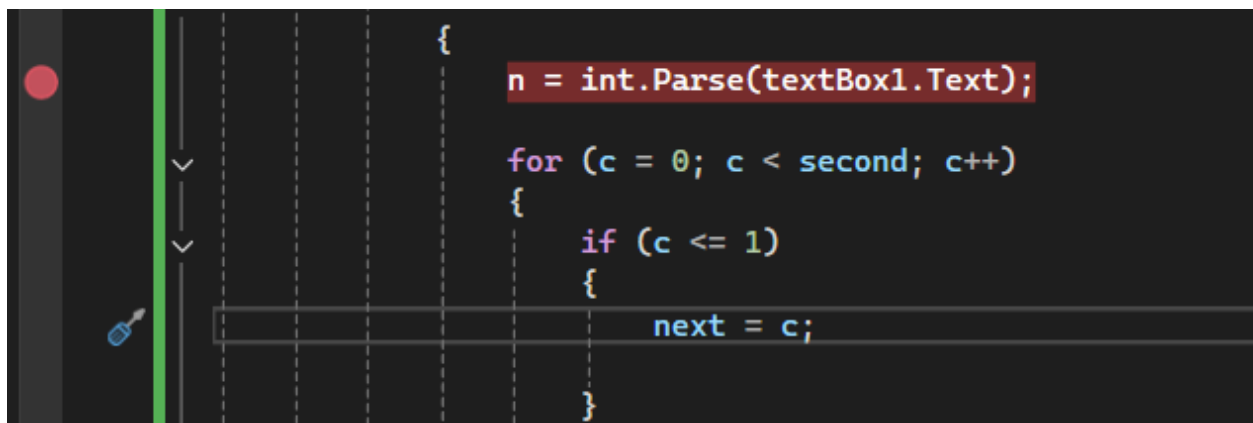
## Fibonacci Numbers

Enter the number of term you need

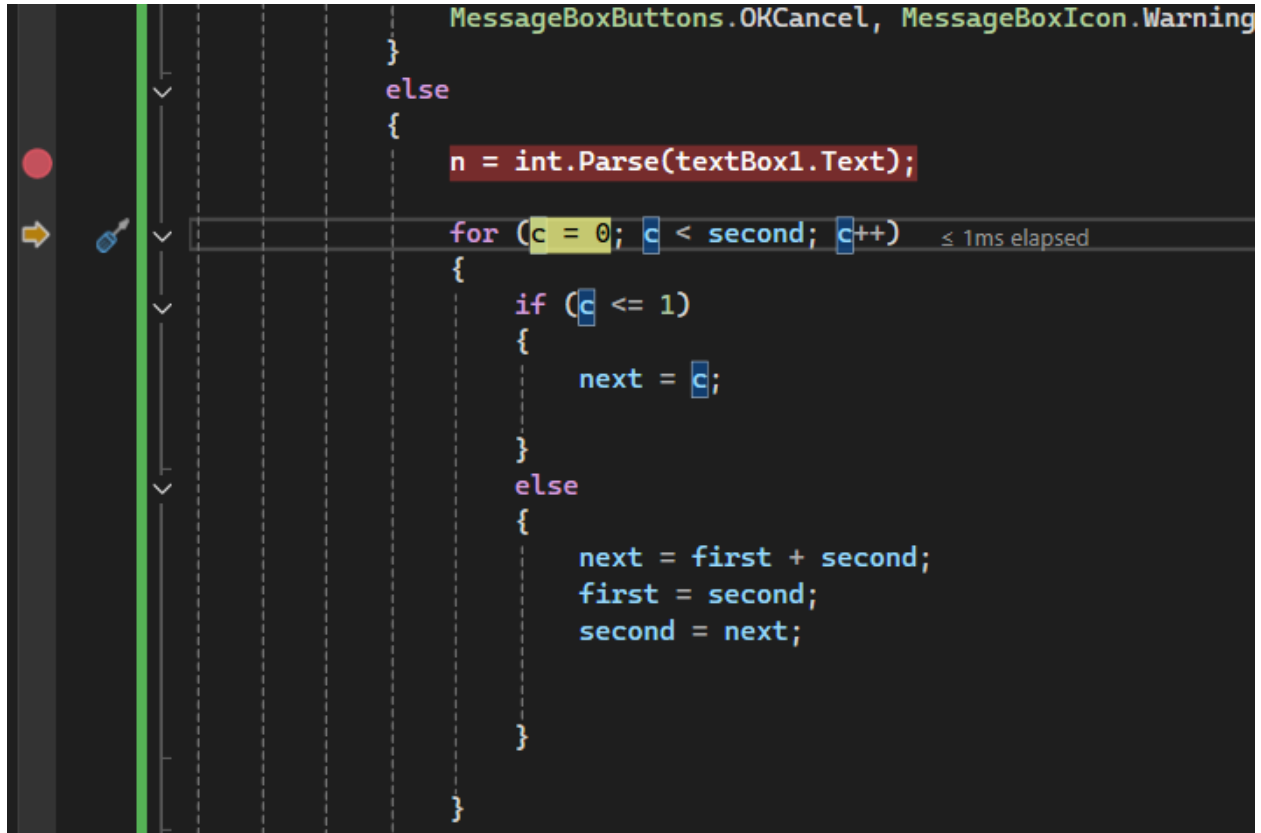
Show

2 fibonacci number is: 0

06.



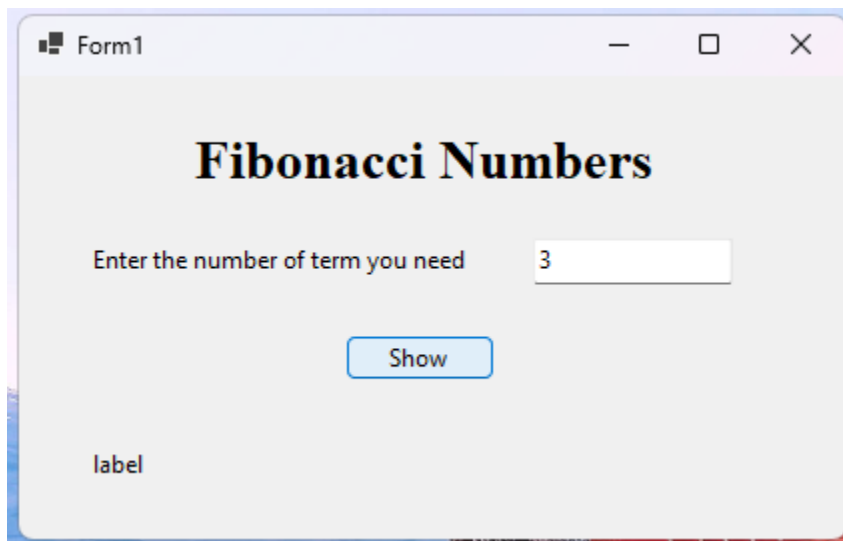
```
{  
    n = int.Parse(textBox1.Text);  
    for (c = 0; c < second; c++)  
    {  
        if (c <= 1)  
        {  
            next = c;  
        }  
    }  
}
```



```
MessageBoxButtons.OKCancel, MessageBoxIcon.Warning
}
else
{
    n = int.Parse(textBox1.Text);
    for (c = 0; c < second; c++)
    {
        if (c <= 1)
        {
            next = c;
        }
        else
        {
            next = first + second;
            first = second;
            second = next;
        }
    }
}
```

10. only one time

12.



Form1

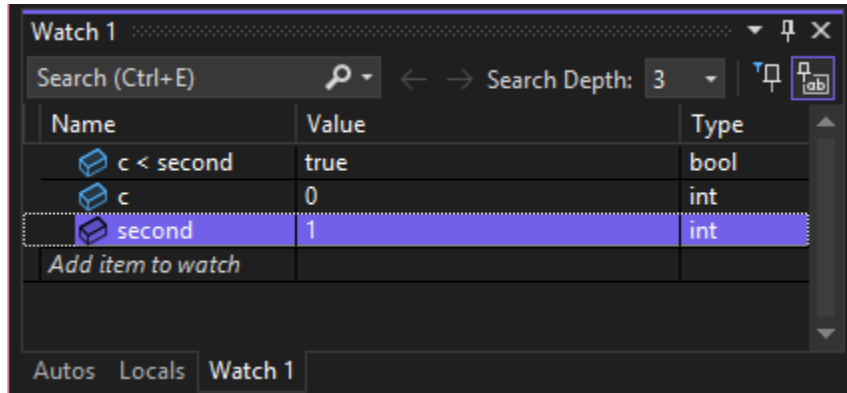
## Fibonacci Numbers

Enter the number of term you need

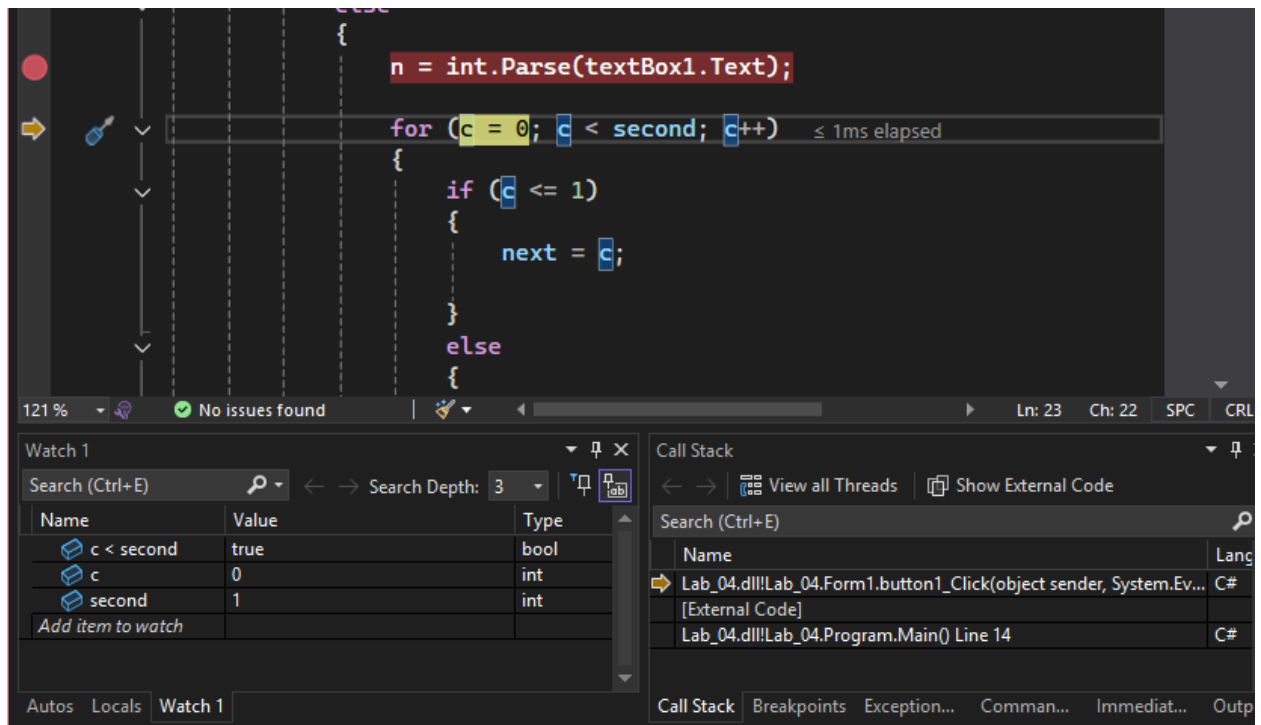
Show

label

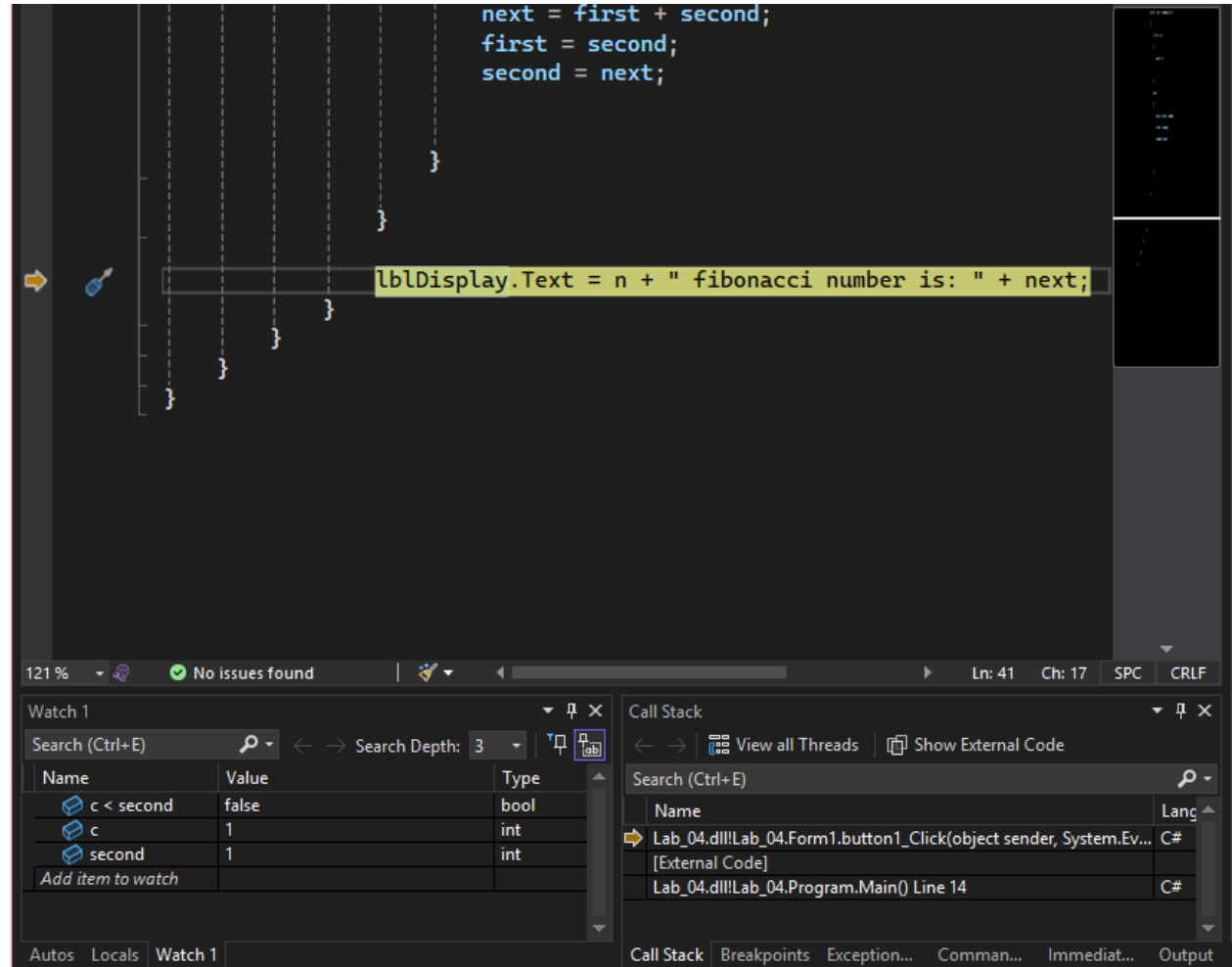
14.



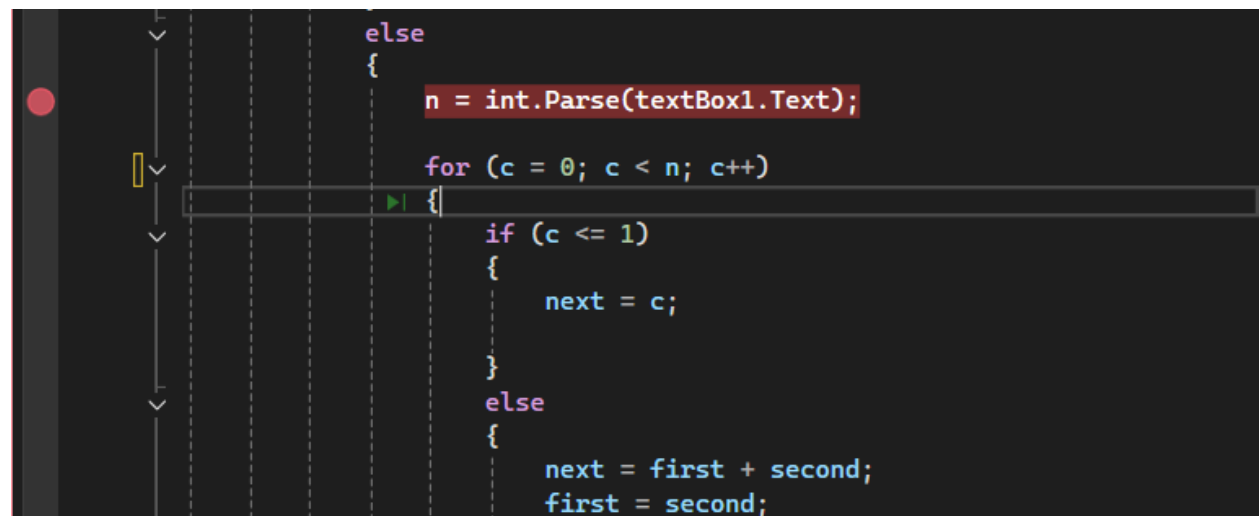
16.



17.



18.



22.

The image shows two side-by-side screenshots of a Windows application window titled 'Form1'. Both windows display a form titled 'Fibonacci Numbers'. The form contains a label 'Enter the number of term you need', a text input field, a 'Show' button, and a label for the result.

- Left Screenshot:** The input field contains the number '2'. Below the 'Show' button, the text '2 fibonacci number is: 1' is displayed.
- Right Screenshot:** The input field contains the number '3'. Below the 'Show' button, the text '3 fibonacci number is: 1' is displayed.

## Exercise 02

01.

The image shows a screenshot of a Windows application window titled 'Form1'. The form is titled 'Speed Calculator'. It contains two labels with corresponding text input fields: 'Enter Time in Minutes' and 'Enter Distance in Kilometers'. Below these fields is a 'Calculate' button.

05.

```
namespace SpeedCalculator
{
    public partial class Form1 : Form
    {
        public Form1()
        {
            InitializeComponent();
        }

        private void btnCal_Click(object sender, EventArgs e)
        {
            double minutes = double.Parse(txtTime.Text);
            double distance = double.Parse(txtDistance.Text);
            double hours = 0, speed;
        }
    }
}
```

```

        hours = minutes / 60;

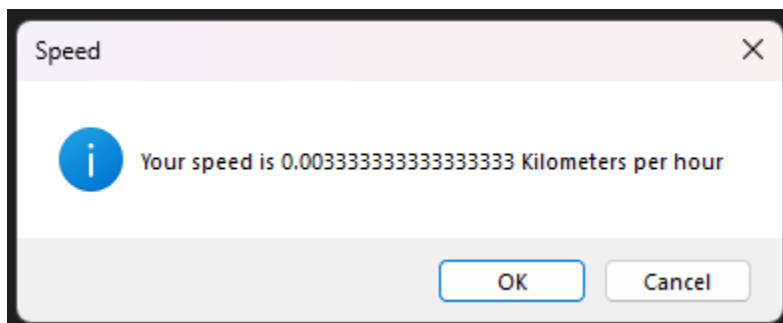
        speed = getSpeed(distance, hours);

        MessageBox.Show("Your speed is " + speed + " Kilometers per hour", "Speed",
        MessageBoxButtons.OKCancel, MessageBoxIcon.Information);
    }

    public double getSpeed(double hours, double distance)
    {
        double speed = distance / hours;
        return speed;
    }
}

```

06.



08.

```

        hours = minutes / 60;
        speed = getSpeed(distance, hours);
        MessageBox.Show("Your speed is " + speed + " Kilometers per hour");
    }
}

```

```
double hours = 0, speed;  
  
hours = minutes / 60;  
  
speed = getSpeed(distance, hours);  
  
MessageBox.Show("Your speed is " + speed + " Kilomet  
}  
  
1 reference  
public double getSpeed(double hours, double distance)  
{  
    f
```

11.

Watch 1		
Search (Ctrl+E) Search Depth: 3		
Name	Value	Type
minutes	10	double
hours	0	double
distance	5	double
speed	0	double
Add item to watch		

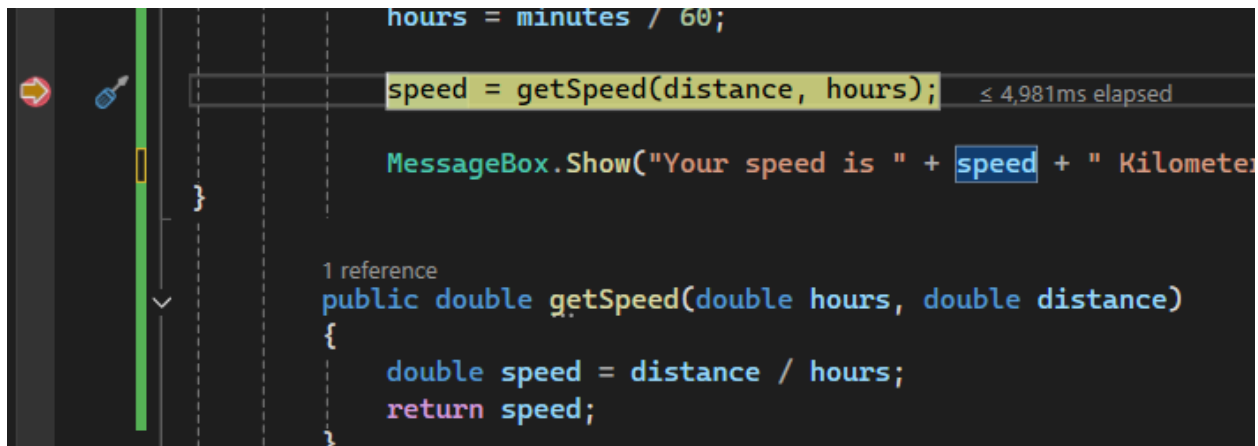
16.

Watch 1		
Search (Ctrl+E) Search Depth: 3		
Name	Value	Type
minutes	10	double
hours	0.16666666666666666	double
distance	5	double
speed	0	double
Add item to watch		

Watch 1		
Search (Ctrl+E) Search Depth: 3		
Name	Value	Type
minutes	10	double
hours	5	double
distance	0.16666666666666666	double
speed	0	double
Add item to watch		

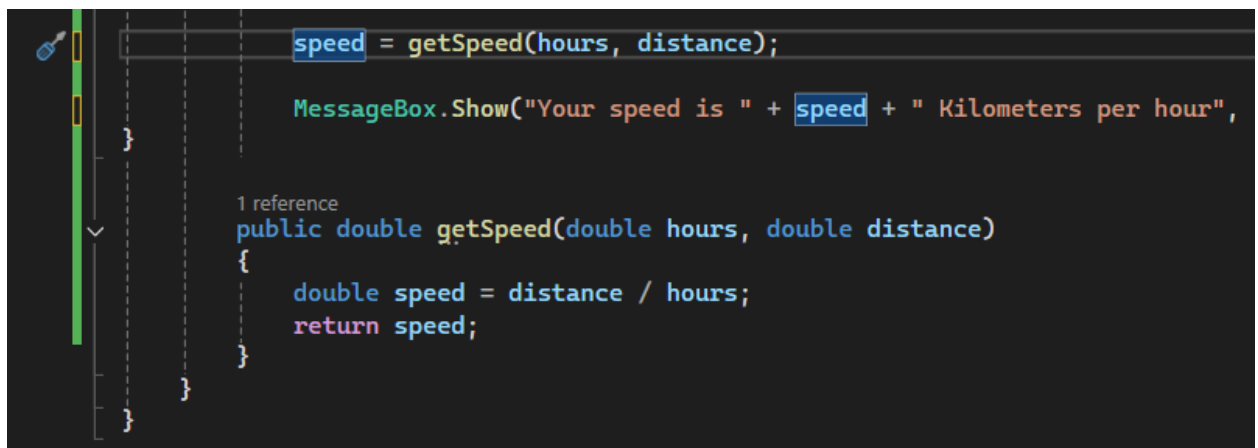


18.



```
hours = minutes / 60;
speed = getSpeed(distance, hours);
MessageBox.Show("Your speed is " + speed + " Kilometer");

1 reference
public double getSpeed(double hours, double distance)
{
    double speed = distance / hours;
    return speed;
}
```



```
speed = getSpeed(hours, distance);
MessageBox.Show("Your speed is " + speed + " Kilometers per hour",

1 reference
public double getSpeed(double hours, double distance)
{
    double speed = distance / hours;
    return speed;
}
```

19.

