ANDROID STUDIO:

1. Connect the device (Android phone) to your development machine (laptop) with a USB cable. If you're developing on Windows, you might need to install the appropriate USB driver for your device.
2. Enable **USB debugging** on your device by going to **Settings > Developer options**.

**Note:** On Android 4.2 and newer, **Developer options** is hidden by default. To make it available, go to **Settings > About phone** and tap **Build number** seven times. Return to the previous screen to find **Developer options**.

Run the app from Android Studio as follows:

1. In Android Studio, click the **app** module in the **Project** window and then select **Run > Run** (or click **Run** https://developer.android.com/studio/images/buttons/toolbar-run.png in the toolbar).
2. In the **Select Deployment Target** window, select your device, and click **OK**.

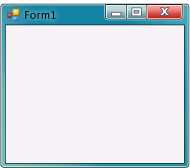
Android Studio installs the app on your connected device and starts it.

MICROSOFT VISUAL STUDIO:

1. Use one of the following methods to run your program.
   * Choose the **F5** key.
   * On the menu bar, choose **Debug**, **Start Debugging**.
   * On the toolbar, choose the **Start Debugging** button, which appears as follows.

Start Debugging toolbar button  
Start Debugging toolbar button

1. Visual Studio runs your program, and a window called **Form1** appears. The following diagram shows the program you just built. The program is running, and you will soon add to it.

  
Windows Form Application program running

1. Go back to the Visual Studio integrated development environment (IDE), and look at the new toolbar. Additional buttons appear on the toolbar when you run a program. These buttons let you do things like stop and start your program, and help you track down any errors (bugs) it may have. For this example, we're just using it to start and stop the program.

Debugging toolbar  
Debugging toolbar

1. Use one of the following methods to stop your program.
   * On the toolbar, choose the **Stop Debugging** button.
   * On the menu bar, choose **Debug**, **Stop Debugging**.
   * Choose the X button in the upper corner of the **Form1** window.