

Activity

Analog Output

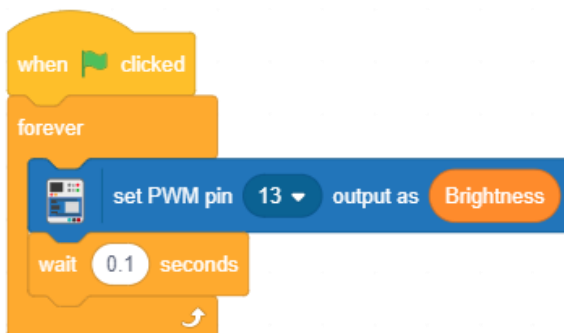
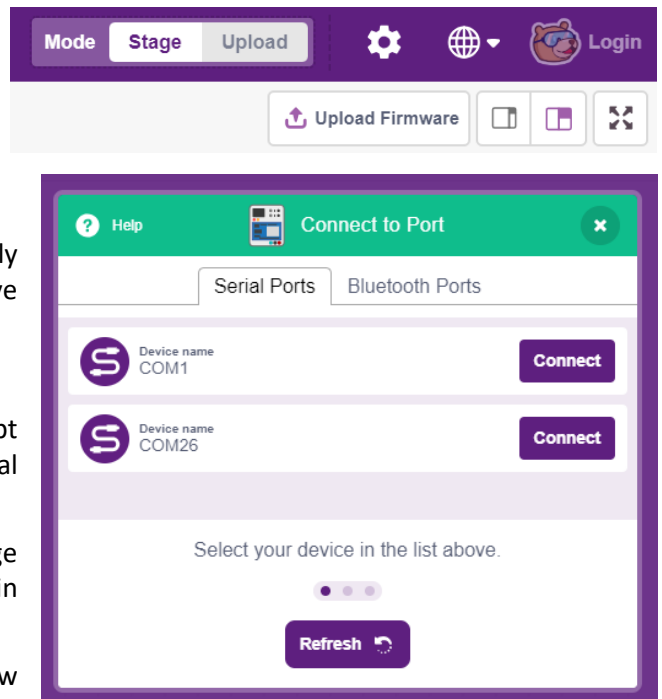
LED Brightness Control



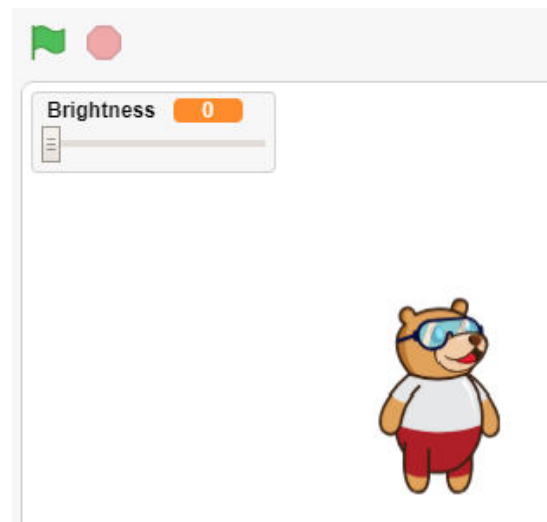
In this activity, you will learn how to control the brightness of a LED in PictoBlox.

STEP-BY-STEP

1. Open **PictoBlox** and start a new program.
2. Connect evive to your computer. In PictoBlox, go to the menu and click on the **Boards** and select **evive**.
3. Once you've selected the board, click on the **Connect** tab and connect the board.
4. Click on **Upload Firmware** button. Once you successfully uploaded the firmware you will see evive logo on evive display.
5. Make a variable and name it **Brightness**.
6. Using **when green flag clicked** hat block make a script which sets the PWM of the LED connected to the digital pin 13 to the **Brightness**.
7. Double click on the variable appearing on the stage twice. You will get the slider for the variable as shown in the figure.
8. Click on the green flag to start the LED glowing. Now using the slider change the **Brightness** variable value, thus changing the brightness of the LED.



STEP 6



STEP 7

