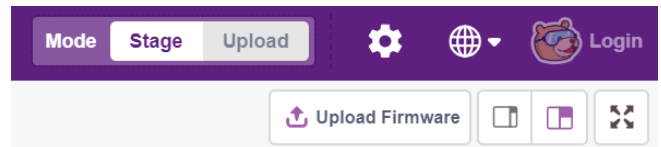In this activity, you will learn how to read the state of digital pin, tactile switch and slide switch in PictoBlox.

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.
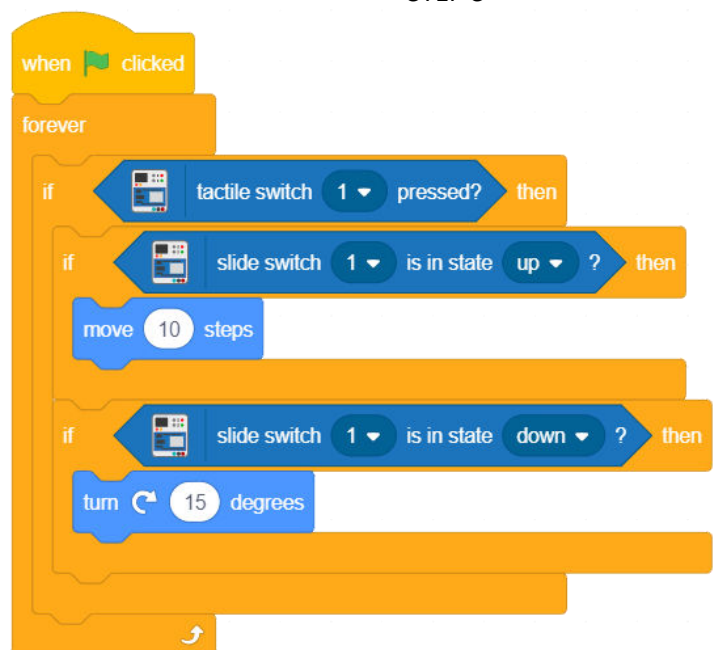
ROTATING SPRITE USING SWITCH

5. In this script, you have to make Tobi rotate when you press the tactile switch 1. Make the script using if block inside the forever block to constantly check, when the tactile switch 1 is pressed and rotate Tobi by 15 degrees.

6. Click on the green flag to start the script and check if Tobi is rotating when tactile switch 1 is pressed.

STEP 5

SLIDE SWITCH MODE EXAMPLE

7. In this script, you will make Tobi perform different actions when tactile switch 1 is pressed. The action will change depending on the slide switch 1 state:

   a. When slide switch 1 is up, move by 10 steps.
   b. When slide switch 1 is down, turn by 90˚.
   c. When slide switch 1 is in middle, do nothing.

8. To make this script you will make nested loops, where first you will detect if the tactile switch is pressed, then detect the state of slide switch and perform the action accordingly.

9. Click on the green flag to start the script and check it.

STEP 7