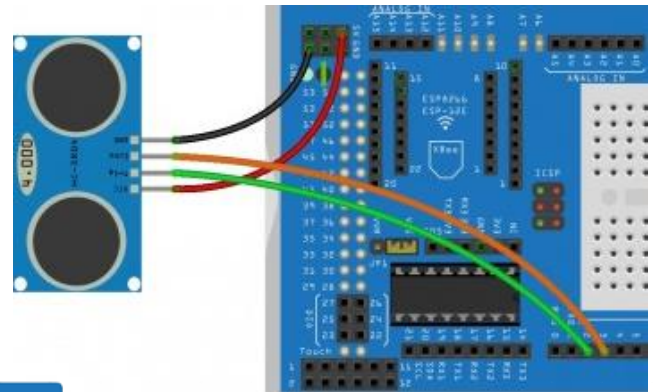In this activity you will learn how to program evive to read distance reading from ultrasonic sensor using PictoBlox and create a distance alarm system for blind people.

STEP-BY-STEP

1. Connect the ultrasonic sensor to evive:

   a. GND of sensor to GND of evive.
   b. VCC of sensor to 5V of evive.
   c. TRIG of sensor to digital pin 2 of evive.
   d. ECHO of sensor to digital pin 3 of evive.

2. Open PictoBlox, connect evive, select the Board as evive, and upload firmware.

READING DISTANCE

3. Make the script to display the sensor reading on evive display. Run the script to test the sensor.

ALARM SYSTEM

4. Make the script to create an alarm system which creates different sound according to the distance.

STEP 4

STEP 3