



ULTRASONIC DISTANCE SENSOR CHALLENGES

UNIT: ELECTRONICS/CODING LEVEL 3



1. Program a LED to turn on when an object is closer than 25 cm to the sensor and turn off when it is further than 25 cm.
2. Program a LED to blink faster as an object gets closer to the ultrasonic distance sensor.
 - a. When the object is further than 50cm, the LED should be off.
 - b. As the object moves from 49cm to 21cm the LED should blink at an increasing rate.
 - c. When the object is closer than 20cm the LED should stay on.