int LED = 13; // Use the onboard Uno LED

int obstaclePin = 7; // This is our input pin

int hasObstacle = HIGH; // HIGH MEANS NO OBSTACLE

void setup() {

 pinMode(LED, OUTPUT);

 pinMode(obstaclePin, INPUT);

 Serial.begin(9600);

}

void loop() {

 hasObstacle = digitalRead(obstaclePin); //Reads the output of the obstacle sensor from the 7th PIN of the Digital section of the arduino

 if (hasObstacle == LOW) //LOW means something is ahead, so illuminates the 13th Port connected LED

 {

 Serial.println("Stop something is ahead!!");

 digitalWrite(LED, HIGH);//Illuminates the 13th Port LED

 }

 else

 {

 Serial.println("Path is clear");

 digitalWrite(LED, LOW);

 }

 delay(200);

}

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}