```c
/*
 * This program is to test IR Sensor interfacing with Arduino
 *
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 *
 * Connect VCC of IR sensor to +5V of Arduino board
 * Connect GND of IR Sensor to GND of Arduino board
 * Connect Out of IR sensor to D3 pin of Arduino board
 *
 * Upload the code and check in Serial Monitor.
 */

#define IRpin 3                       //Digital Pin 3 of Arduino is
declared for the sensor

void setup()                          // This exicutes only ONE time on
Power-up
{
  pinMode(IRpin, INPUT);              //Make 3rd Pin of Arduino as
INPUT
  Serial.begin(9600);                //Set Baudrate of Serial
Communication as 9600
  Serial.println("IR Sensor Interfacing with Arduino");    //Initially
Displays this message in Serial Monitor
}

void loop()                          // This exicutes infinite time
till power in
{
  bool IRdata = digitalRead(IRpin);     //Reading state of Sensor Pin
and Storing in Boolean variable
  if(IRdata == LOW)                     //Check for received data state
for taking actions
  {
    Serial.println("Obstacle Detected");   //If obstacle detected then
shows this message in Serial Monitor
  }
  delay(1000);                           //Delay to wait for next
sampling
}
```