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Intake: 39

Section: 01

Program:B.Sc. in CSE

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Lab Assignment

Course Code: CSE 316

Course Title: Microprocessor and Microcontroller Lab

**Task**

Create an arduino circuit with PIR sensor and LCD which will do the following things:

i) If the object is in range it will display on LCD "Object Detected"

ii) If not then it will display "Detecting.."

**Result**

**Code:**

#include <LiquidCrystal.h>

LiquidCrystal lcd(12,11,7,6,5,4);

void setup() {

Serial.begin(9600);

lcd.begin(16,2);

pinMode(8,INPUT); }

void loop() {

int a = digitalRead(8);

Serial.println(a);

if(a==1) {

lcd.setCursor(2,0);

lcd.print("Obj Detected");

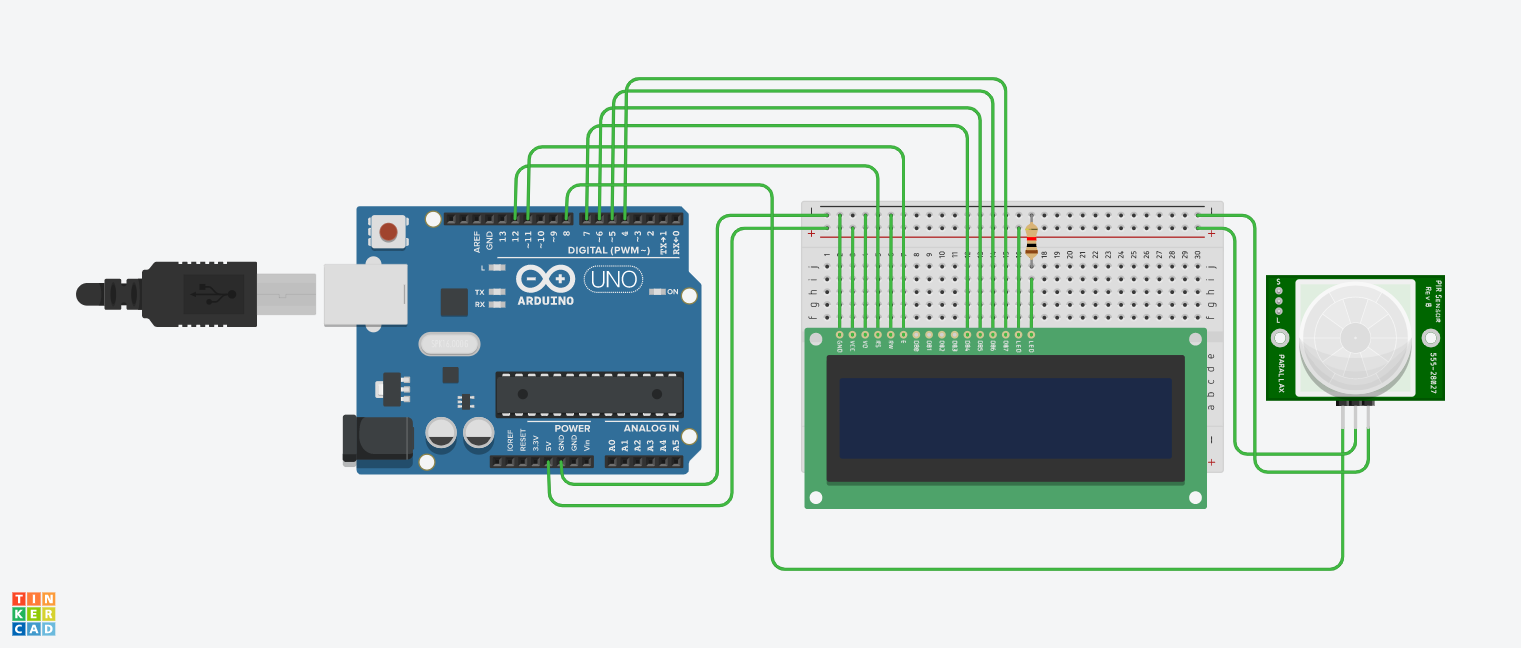
delay(1000);

lcd.clear(); }

else {

lcd.print("Detecting.."); } }

**Image of the diagram:**

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**Project Link:**

https://www.tinkercad.com/things/40N8da2mrLg-copy-of-pir-sensor-with-lcd-display/editel?sharecode=u\_XRR5fZkl7Zs6hAoaVyzuIlO8MkEB1veFzZ0LMA0PU