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#include <Servo.h>
#include <LiquidCrystal.h>
LiquidCrystal lcd (7,8,9,10,11,12);
Servo myservo;
#define pot A0
int value;
#define led1 6
#define ldr A5
#define led 2
void setup(){
    myservo.attach(5);
    pinMode(led1,OUTPUT);
    pinMode(led,OUTPUT);
    pinMode(pot,INPUT);
    lcd.begin(16,2);
    pinMode(ldr,INPUT);
}

void loop(){
    value=analogRead(pot);
    int newvalue=map(value,0,1023,180,90);
    myservo.write(newvalue);
    int v;
    int V;
    v=analogRead(pot);
    V=map(v,0,1023,255,0);
    analogWrite(led,V);
    lcd.clear();
    lcd.setCursor(0,0);
    lcd.print("welcome");
    delay(1000);
    int x;
    int X;
    x=analogRead(ldr);
    X=map(x,0,1023,0,255);
    analogWrite(led1,X);
}
```