



Circuit design Funky Hango | Tin: x +

https://www.tinkercad.com/things/aklrFmxt7u-funky-hango/editel

Funky Hango

All changes saved

Code Start Simulation Send To

Text

```
19 void loop()
20 {
21     int s1 = analogRead(A0);
22     int s2 = analogRead(A1);
23     //Serial.println(s1);
24     Serial.println(s2);
25     delay(10);
26     if(s2<700)
27     { for (pos = 0; pos <= 180; pos += 2) {
28
29         myservo.write(pos);
30         delay(5);
31     }
32     for (pos = 180; pos >= 0; pos -= 2) {
33         myservo.write(pos);
34         delay(5);
35     }
36     delay(2000);
37 }
38 if(s1>500)
39 {
40     digitalWrite(13, HIGH);
41 }
42 if(s1<500)
43 {
44     digitalWrite(13, LOW);
45 }
46 }
```

Serial Monitor

1023
1023
1023
1023

Send Clear

The image shows a Tinkercad workspace with an Arduino Uno R3 board. It is connected to a light bulb, a servo motor, and a buzzer. The circuit is wired as follows: the light bulb is connected to digital pin 13; the servo motor is connected to the 5V, GND, and signal pins; the buzzer is connected to digital pin 13 and GND. The code in the 'Code' tab is a C++ program that reads two analog sensors (A0 and A1) and controls the servo motor and the buzzer based on their readings. The servo motor moves from 0 to 180 degrees and back if the reading on A2 is less than 700. The buzzer turns on if the reading on A0 is greater than 500 and turns off if it's less than 500. The Serial Monitor shows the value 1023 for the reading on A1.

```

#include <Servo.h>

Servo myservo;

int pos = 0;

void setup()
{
  Serial.begin(9600);
  pinMode(13, OUTPUT);
  pinMode(11, OUTPUT);
  pinMode(A0, INPUT);
  pinMode(A1, INPUT);
  myservo.attach(11);
}

void loop()
{
  int s1 = analogRead(A0);
  int s2 = analogRead(A1);
  //Serial.println(s1);
  Serial.println(s2);
  delay(10);
  if(s2<700)
{ for (pos = 0; pos <= 180; pos += 2) {

  myservo.write(pos);
  delay(5);
}
for (pos = 180; pos >= 0; pos -= 2) {
  myservo.write(pos);
  delay(5);
}
  delay(2000);
}
  if(s1>500)
  {
    digitalWrite(13, HIGH);
  }
  if(s1<500)
  {
    digitalWrite(13, LOW);
  }
}

```