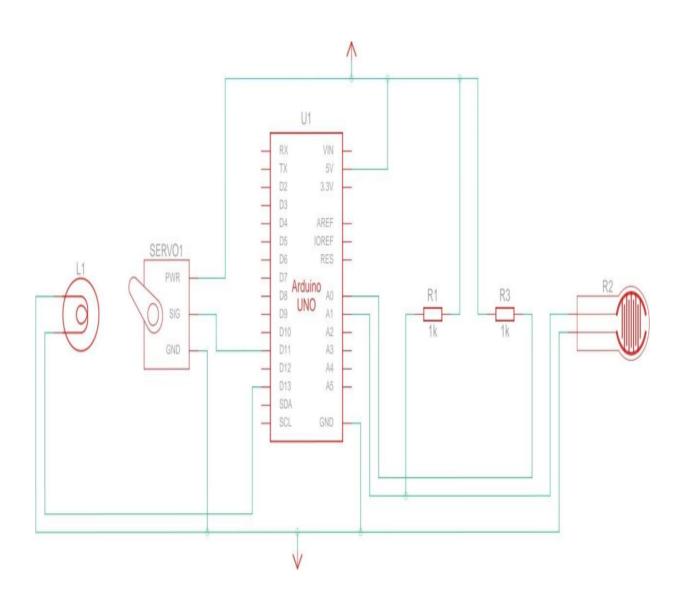
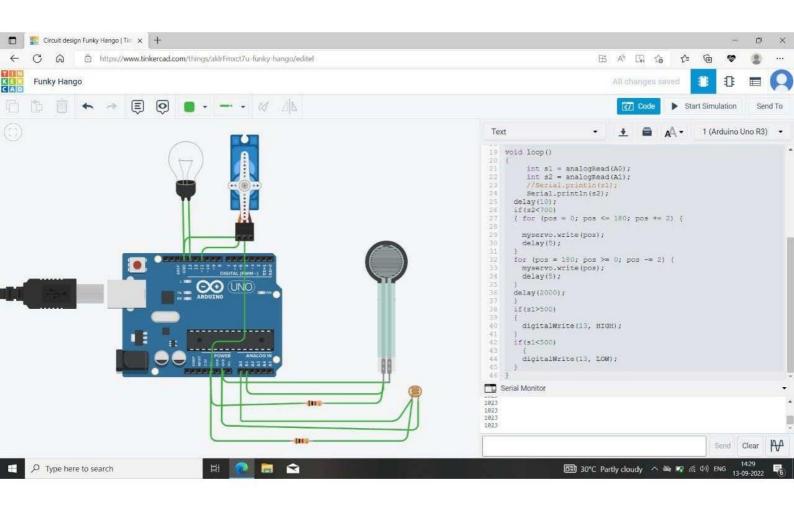
Assignment 1

(Smaert Home)





Program:

```
#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)
 \{ \text{ 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);
}
```