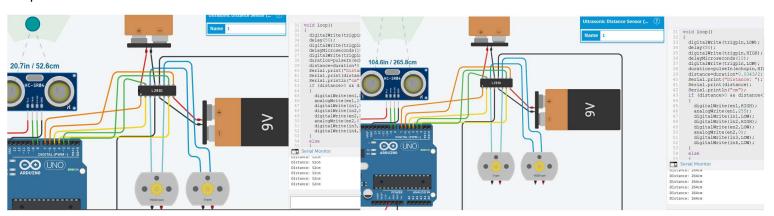
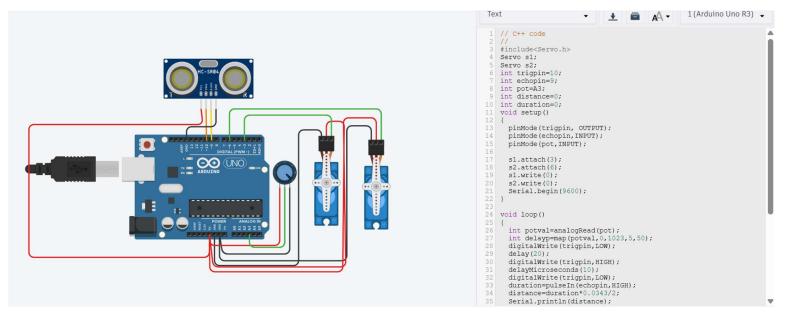
Code1:

```
void loop()
   digitalWrite(trigpin,LOW);
   delay(50);
   digitalWrite(trigpin, HIGH);
   delayMicroseconds(10);
digitalWrite(trigpin,LOW);
duration=pulseIn(echopin,HIGH);
distance=duration*0.0343/2;
Serial.print("Distance: ");
   Serial.print(distance);
Serial.println("cm");
   if (distance>0 && distance<150)
      digitalWrite(en1, HIGH);
      analogWrite(en1,255);
digitalWrite(in1,LOW);
      digitalWrite(in2,HIGH);
digitalWrite(en2,LOW);
      analogWrite(en2,0);
digitalWrite(in3,LOW);
      digitalWrite(in4,LOW);
   else
      digitalWrite(en1,LOW);
      analogWrite(en1,0);
digitalWrite(in1,LOW);
      digitalWrite(in2,LOW);
digitalWrite(en2,HIGH);
      analogWrite(en2,255);
digitalWrite(in3,LOW);
      digitalWrite(in4, HIGH);
```

Output:



Code2:

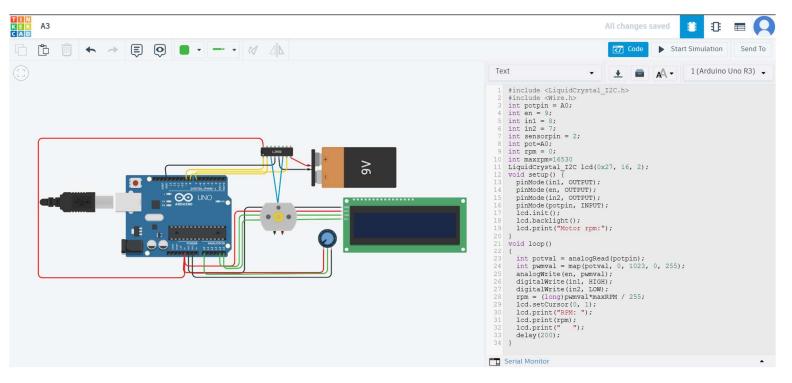


```
void loop()
{
    int potval=analogRead(pot);
    int delayp=map(potval,0,1023,5,50);
    digitalWrite(trippin,LOW);
    delay(20);
    digitalWrite(trippin,HIGH);
    delayMicroseconds(10);
    digitalWrite(trippin,LOW);
    duration=pulseIn(echopin,HIGH);
    distance=duration*0.0343/2;
    Serial.println(distance);
    int delayu=map(distance,0,332,5,50);
    for(int i=0?i<=180;i++)
    {
        sl.write(i);
        delay(delayp);
        s2.write(i);
        delay(delayu);
    }
    for(int i=180;i>=0;i--)
    {
        sl.write(i);
        delay(delayp);
        s2.write(i);
        delay(delayp);
    }
}
```

Ouput:

https://www.tinkercad.com/things/2Gi9ZtZkKLi-a2-servo-speed-control?sharecode=PfYQJSGw2e0iGsJCgMV0fgZa2LoQxwsFpCdQVFigrbY

Code3:



Output:

Couldn't get output as the software keeps giving the error "invalid file header" when in fact the header included is proper and of correct syntax, assuming the library <LiquidCrystal_I2C.h> is broken