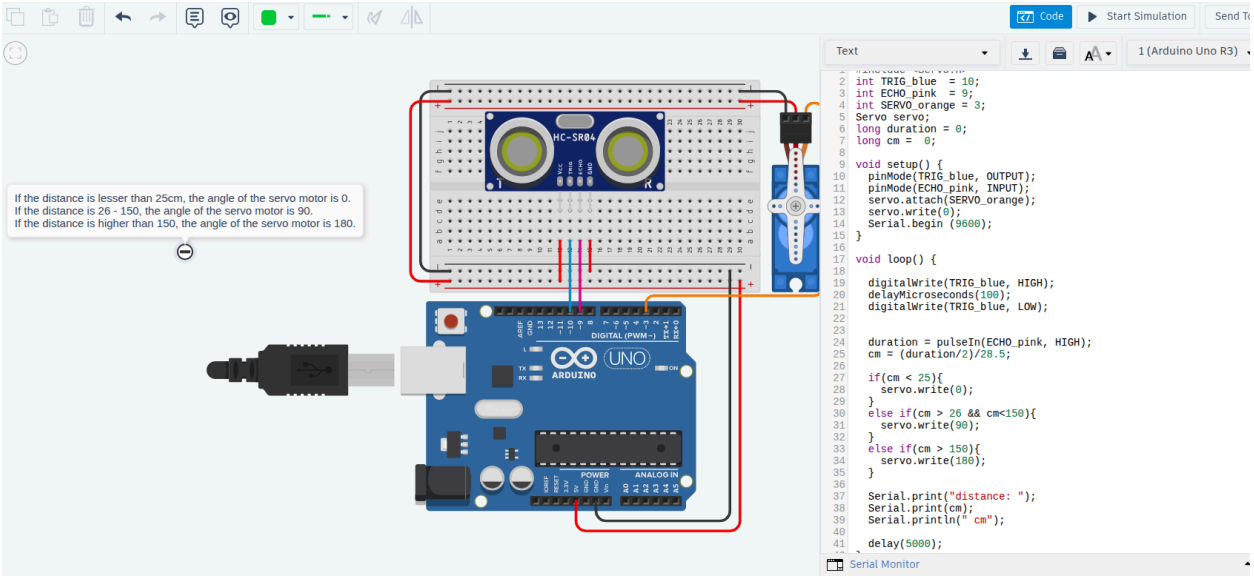
Code
Start Simulation
Send To
If the distance is lesser than 25cm, the angle of the servo motor is 0.
If the distance is 26 - 150, the angle of the servo motor is 90.
If the distance is higher than 150, the angle of the servo motor is 180.
HC-SR04
Text
1 (Arduino Uno R3)
int TRIG_blue = 10;
int ECHO_pink = 9;
int SERVO_orange = 3;
Servo servo;
long duration = 0;
long cm = 0;
void setup() {
pinMode(TRIG_blue, OUTPUT);
pinMode(ECHO_pink, INPUT);
servo.attach(SERVO_orange);
servo.write(0);
Serial.begin (9600);
}
void loop() {
digitalWrite(TRIG_blue, HIGH);
delayMicroseconds(100);
digitalWrite(TRIG_blue, LOW);
duration = pulseIn(ECHO_pink, HIGH);
cm = (duration/2)/28.5;
if(cm < 25){
servo.write(0);
}
else if(cm > 26 && cm<150){
servo.write(90);
}
else if(cm > 150){
servo.write(180);
}
Serial.print("distance: ");
Serial.print(cm);
Serial.println(" cm");
delay(5000);
Serial Monitor