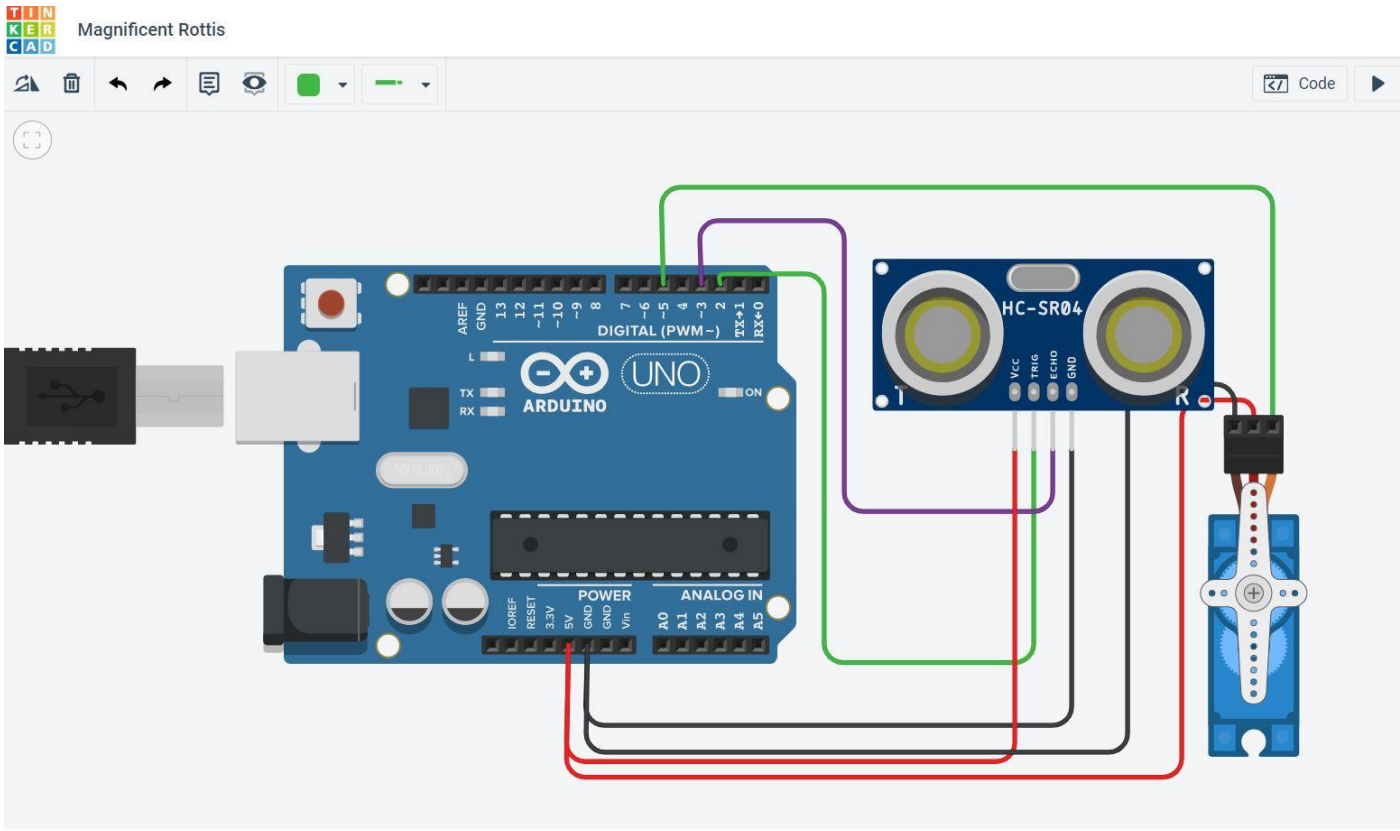
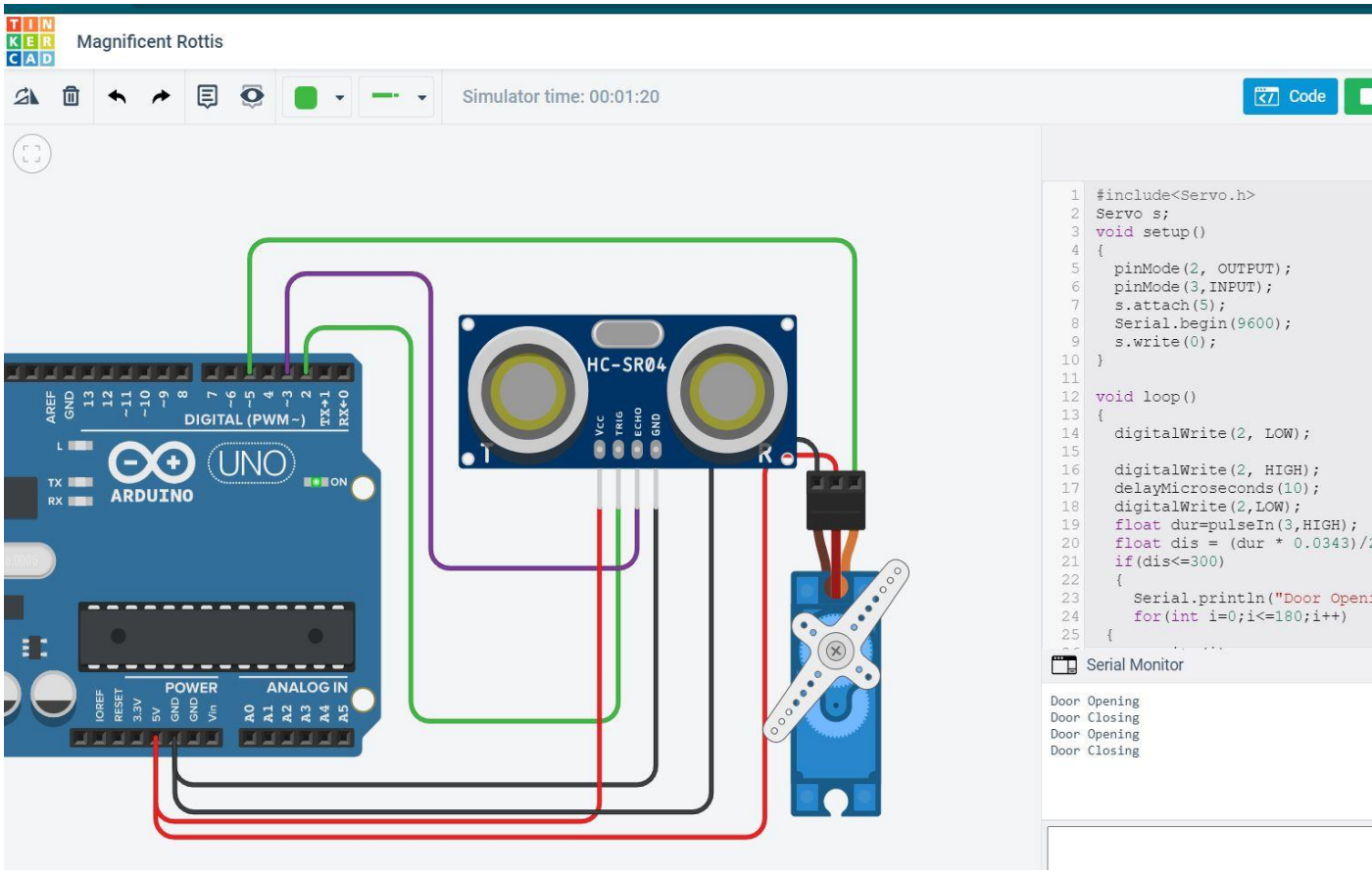


CODE:

```
#include<Servo.h>
Servo s;
void setup()
{
  pinMode(2, OUTPUT);
  pinMode(3,INPUT);
  s.attach(5);
  Serial.begin(9600);
  s.write(0);
}

void loop()
{
  digitalWrite(2, LOW);
```

```
 digitalWrite(2, HIGH);
 delayMicroseconds(10);
 digitalWrite(2,LOW);
 float dur=pulseIn(3,HIGH);
 float dis = (dur * 0.0343)/2;
 if(dis<=300)
 {
   Serial.println("Door Opening");
   for(int i=0;i<=180;i++)
{
   s.write(i);
   delay(100);
}
  delay(30000);
  Serial.println("Door Closing");
  for(int j=180;j>=0;j--)
{
  s.write(j);
  delay(100);
}
 }
}
```


Magnificent Rottis
Simulator time: 00:01:20
Code
HC-SR04
VCC
TRIG
ECHO
GND
ARDUINO
UNO
DIGITAL (PWM~)
POWER
ANALOG IN
#include<Servo.h>
Servo s;
void setup()
{
pinMode(2, OUTPUT);
pinMode(3,INPUT);
s.attach(5);
Serial.begin(9600);
s.write(0);
}
void loop()
{
digitalWrite(2, LOW);
digitalWrite(2, HIGH);
delayMicroseconds(10);
digitalWrite(2,LOW);
float dur=pulseIn(3,HIGH);
float dis = (dur * 0.0343)/
if(dis<=300)
{
Serial.println("Door Open
for(int i=0;i<=180;i++)
{
Serial.println
Serial Monitor
Door Opening
Door Closing
Door Opening
Door Closing