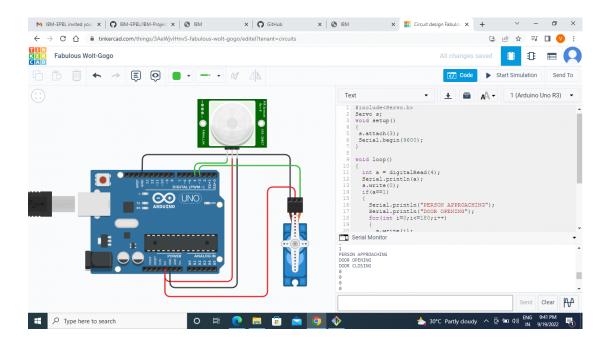# AUTOMATIC DOOR CLOSER

CODE:

```
#include<Servo.h>

Servo s;

void setup()

{

  s.attach(3);

  Serial.begin(9600);

}


void loop()

{

    int a = digitalRead(4);
```

```
    Serial.println(a);

    s.write(0);

    if(a==1)

    {

        Serial.println("PERSON APPROACHING");

        Serial.println("DOOR OPENING");

        for(int i=0;i<=180;i++)

        {

            s.write(i);

            delay(100);

        }

        Serial.println("PERSON ENTERED");

        Serial.println("DOOR CLOSING");

        for(int i=180;i>=0;i--)

        {

            s.write(i);

            delay(100);

        }

    }

}
```

TINKER CARD LINK:
https://www.tinkercad.com/things/3AeWjvIHnvS-fabulous-wolt-gogo/editel?shar
ecode=49z0rPxRCJuWFqvp3d66oajYalmtYubPl4MwLjTDVC0