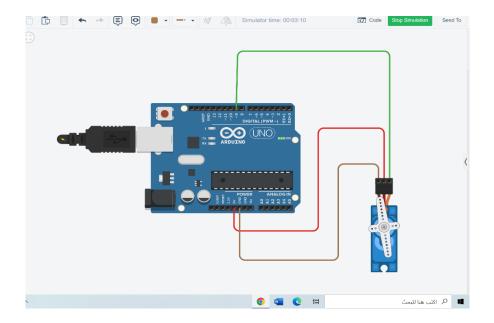
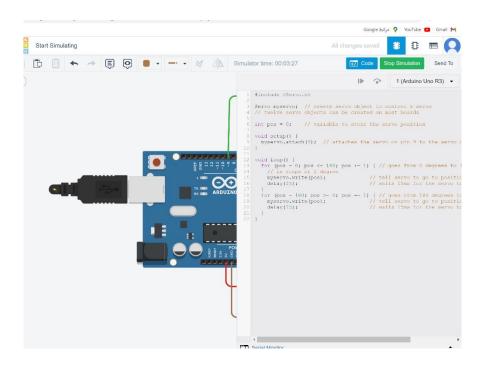
## **MOTOR SERVO:**

### THE CIRCUITE:

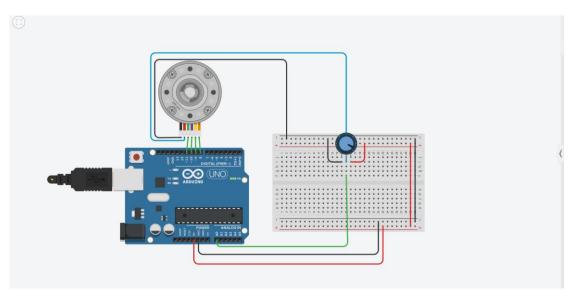


### THE CODE:



# **STEPPER MOTOR:**

## THE CIRCUITE:



### THE CODE:

```
#include catepper.in>
const int stepsPerRevolution = 400;

stepper mystepper(stepsPerRevolution, 8, 9, 10, 11);

void setup() {
    int motorSpeed = map(semsorReading, 0, 1023, 0, 100);
    if (motorSpeed > 0) {
        mystepper.setSpeed (motorSpeed);
        mystepper.setSpeed (mo
```

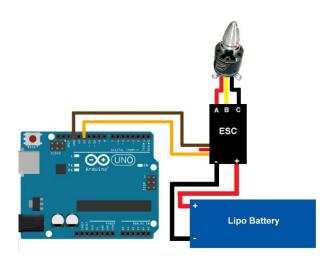
# **BRUSHLESS MOTOR**

## THE STEP:

## WE NEED:

- -Arduino UNO
- -BLDC outrunner motor (Any other outrunner motor will work fine)
- -Electronic Speed Controller (Choose according to the current rating of the motor)
- LiPo Battery (to power the motor)
- Male-Male Jumper cable \* 3
- USB 2.0 cable type A/B (To upload the program and power the Arduino.

### THE CIRCUIT:



#### THE PROGRAMINGN ARDUINO UNO:

```
1000_scharco

10
```

```
#include <Servo.h>
Servo esc_signal;
void setup()
{
 esc_signal.attach(12); //Specify here the pin number on which the signal
pin of ESC is connected.
 esc_signal.write(30); //ESC arm command. ESCs won't start unless input
speed is less during initialization.
 delay(3000);
                        //ESC initialization delay.
}
void loop()
{
esc_signal.write(55); //Vary this between 40-130 to change the speed o
f motor. Higher value, higher speed.
delay(15);
}
```