STEPS DC MOTOR

1- open a website THINKERCAD.com

2- Choose and open a new design

3- The first thing you will select the Arduino board and Breadboard

4- Select the DC motor and put it near from breadboard

5- Select NPN Transistor (BJT) you will put it in breadboard J (13, 14 ,15)

6- Select Diode I put it in breadboard C (23, 27) Crosswise

7- Select RESISTOR the resistance will be 270 Ω

8- So now connection from A26 to PLUS

9- Then the plus motor will connection to the same place

10-From COIIECTOR will take connection

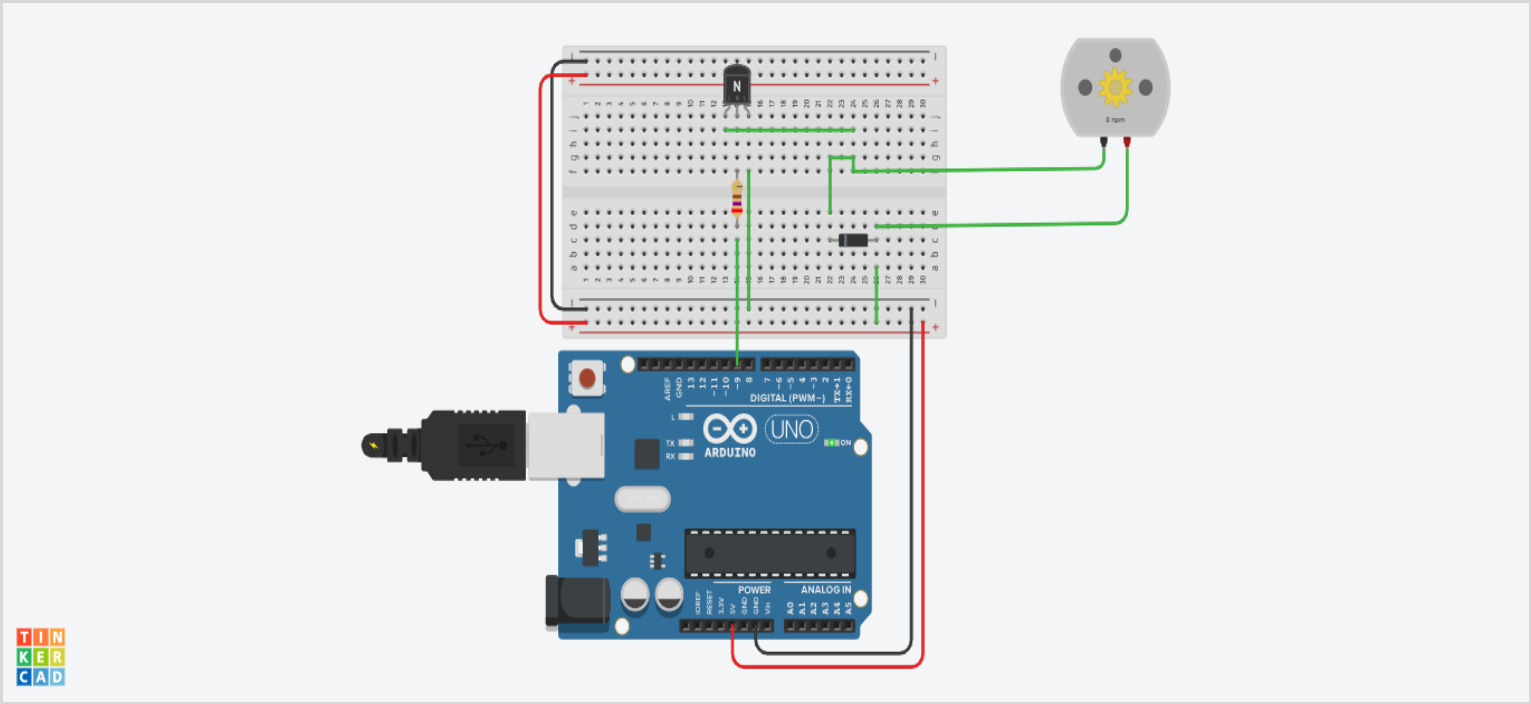
11-Then I will take MINUS MOTOR and connection with collector

12-connection the anode to the minus motor

13-choose any bin near from resistor

THE CODING

```
int motorcontrol = 9;

void setup()

{ pinMode( motorcontrol , OUTPUT);}


void loop()

{digitalWrite(motorcontrol, HIGH);

  delay(4000);

  digitalWrite(motorcontrol, LOW);

  delay(2000); }
```



Servo motor

THE CODING

```
#include <Servo.h>

Servo myservo;


int pos = 0;

void setup() {

  myservo.attach(9); }

void loop() {

  for (pos = 0; pos <= 180; pos += 1) {

    myservo.write(pos);

    delay(15);

  for (pos = 180; pos >= 0; pos -= 1) {

    myservo.write(pos);

    delay(15); }

}
```