Program no____13____

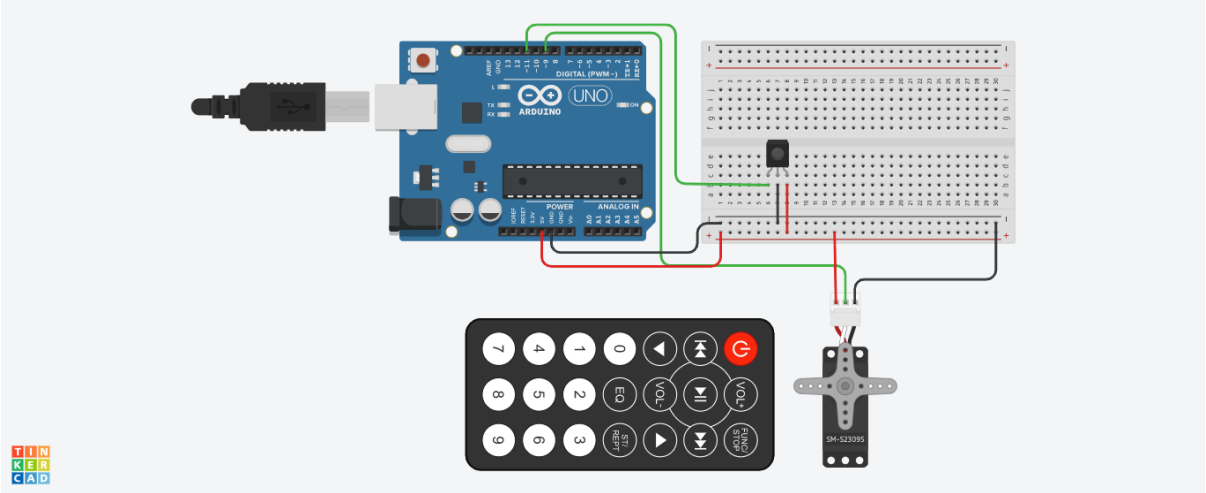
Program Title_____ SERVO motor controller_____

Aim to rotate the SERVO motor clockwise and counter clockwise.

Hardware Required

- Arduino Board
- IR sensor
- Micro SERVO motor
- IR Remote
- wires

Circuit Diagram



Code

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Program
SERVO motor Controller.

Code:

```
#include <Servo.h>
#include <IRremote.h>
int RECV_PIN = 11;
IRrecv irrecv(RECV_PIN);
decode_results results;

Servo myservo;

void setup()
 {
  Serial.begin(9600);
  irrecv.enableIRIn();
 }
void loop()
{
 if(irrecv.decode(&results))
 {
  switch(results.value)
  {
   case 0xFD00FF:
     myservo.attach(9);
     Serial.println("Start");
     break;
   Case 0xFD609F:
     myservo.attach(360);
     Serial.println("Clockwise");
     break;
   Case 0xFD20DF:
```

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```
myservo.write(-360);
Serial.println("Counter clockwise");
break;
default:
Serial.print("unrecognized code received: 0x");
Serial.println(result.value, HEX);
break;
}
irrecv.resume();
}
}
```

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Observation /Output