

Dážd' - servomotor

```
/*  
 * Created by ArduinoGetStarted.com  
 *  
 * This example code is in the public domain  
 *  
 * Tutorial page: https://arduinogetstarted.com/tutorials/arduino-rain-sensor-servo-motor  
 */
```

```
#include <Servo.h>
```

```
#define RAIN_SENSOR_PIN A0 // Arduino pin connected to rain sensor's pin  
#define SERVO_PIN 9 // Arduino pin connected to servo motor's pin
```

```
Servo servo; // create servo object to control a servo
```

```
// variables will change:
```

```
int angle = 0; // the current angle of servo motor  
int prev_rain_state; // the previous state of rain sensor  
int rain_state; // the current state of rain sensor
```

```
void setup() {  
  Serial.begin(9600); // initialize serial  
  pinMode(RAIN_SENSOR_PIN, INPUT); // set arduino pin to input mode  
  servo.attach(SERVO_PIN); // attaches the servo on pin 9 to the servo object  
  
  servo.write(angle);  
  rain_state = digitalRead(RAIN_SENSOR_PIN);  
}
```

```
void loop() {  
  prev_rain_state = rain_state; // save the last state  
  rain_state = digitalRead(RAIN_SENSOR_PIN); // read new state  
  
  if (rain_state == LOW && prev_rain_state == HIGH) { // pin state change: LOW -> HIGH  
    Serial.println("Rain detected!");  
    servo.write(90);  
  }  
  else  
  if (rain_state == HIGH && prev_rain_state == LOW) { // pin state change: HIGH -> LOW  
    Serial.println("Rain stopped!");  
    servo.write(0);  
  }  
}
```

