

```
#define WATER_PUMP_PIN 2 // Define the pin connected to the relay module
#define WATER_LEVEL_PIN 3 // Define the pin connected to the water level sensor
#define WATER_THRESHOLD 500 // Define the water level threshold
```

```
Void setup() {
    pinMode(WATER_PUMP_PIN, OUTPUT);
    pinMode(WATER_LEVEL_PIN, INPUT);
}
```

```
Void loop() {
    Int waterLevel = analogRead(WATER_LEVEL_PIN);

    If (waterLevel < WATER_THRESHOLD) {
        // Water level is below the threshold, turn on the pump
        digitalWrite(WATER_PUMP_PIN, HIGH);
    } else {
        // Water level is above the threshold, turn off the pump
        digitalWrite(WATER_PUMP_PIN, LOW);
    }
}
```