

**Program no**\_\_\_\_12\_\_\_\_\_

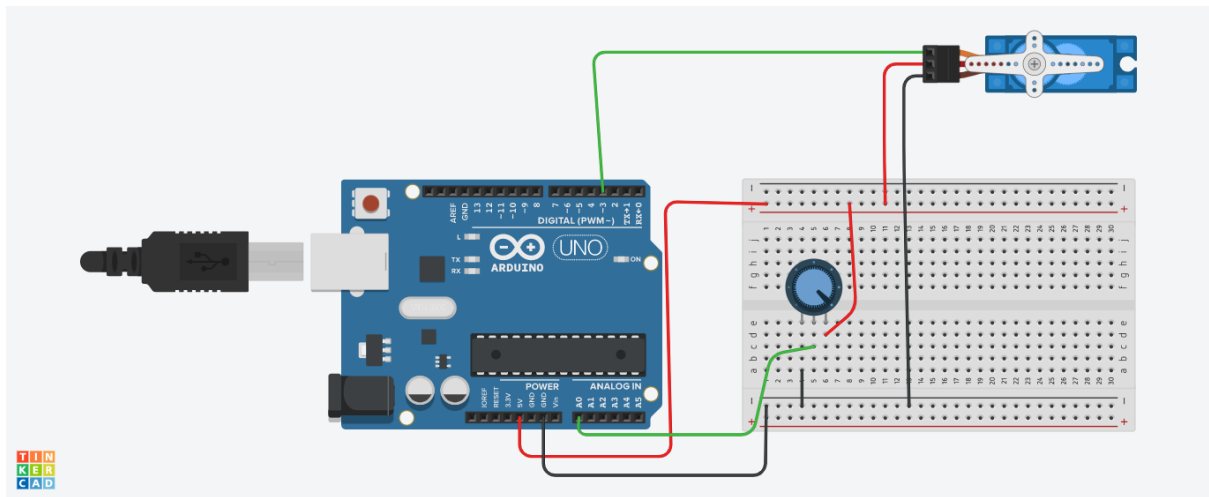
**Program Title**\_\_\_\_\_ Smart Irrigation system\_\_\_\_\_

**Aim to design the smart irrigation system using potentiometer and servo motor.**

### Hardware Required

- Arduino Board
- Potentiometer
- Servo Motor
- wires

### Circuit Diagram



### Code

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## Program Smart Irrigation System

### Code

```
#include <Servo.h>
Servo myservo;
int Potpin = 0;
int val;

void setup()
{
  myservo.attach(3);
}

void loop()
{
  val = analogRead(Potpin);
  val = map(val, 0, 1023, 0, 180);
  myservo.write(val);
  delay(15);
}
```

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## Observation /Output

