Program no 16
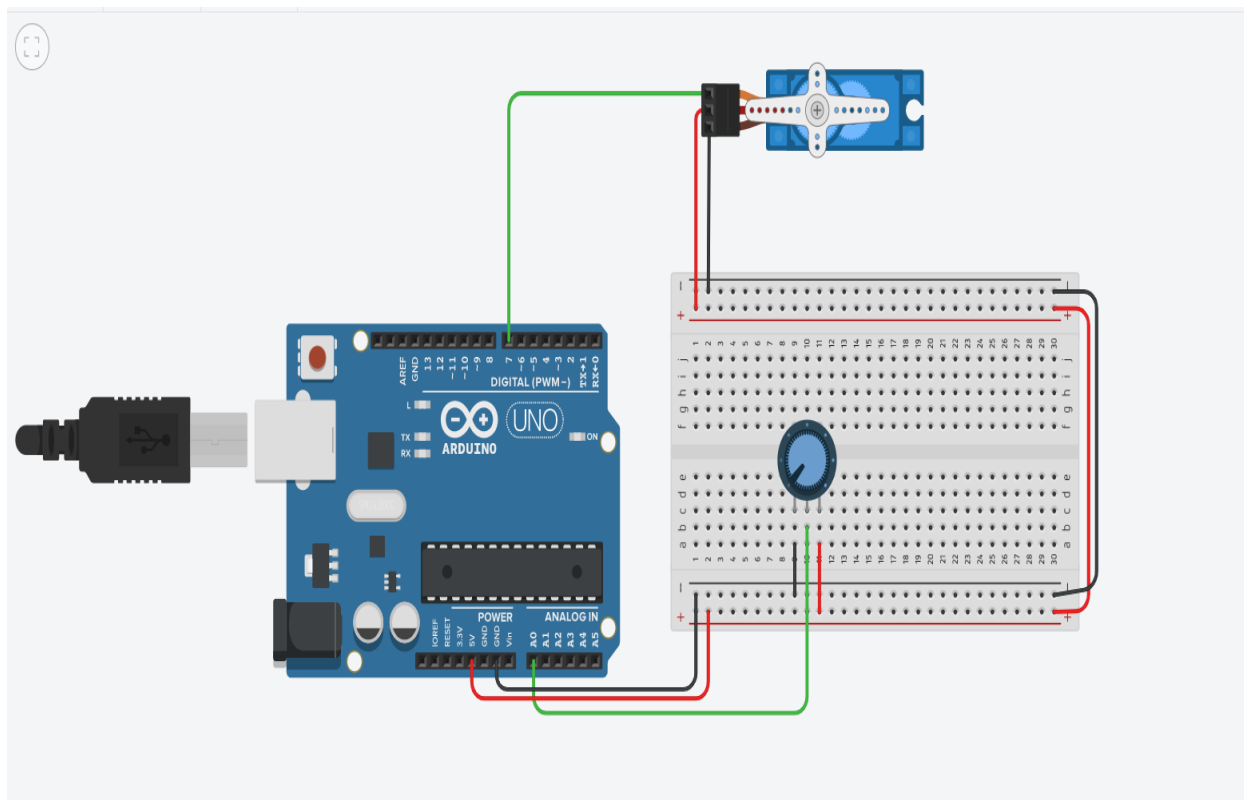
Program Title   Smart irrigation system

Aim : To design a smart irrigation system using potentiometer and servomotor

Hardware Required

- Arduino Board
- Bread board
- Wires
- Micro srevo
- potentiometer

Circuit Diagram

Writeup :

Program - 16

Small Irrigation System

Pramod By

IBM19CS405

```
#include <servo.h>
Servo myservo;
int potpin = 0;
int val;
void setup()
{

    myservo.attach(3);

}
void loop()
{
    val = analogRead(potpin);

    val = map(val, 0, 1027, 0, 180);

    myservo.write(val);
        delay(15);
```

CODE:

```
#include <Servo.h>
Servo myservo;
int potpin=A0;
int val;
void setup()
{
  myservo.attach(7);
}


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

Observation /Output