

Program no_4_____

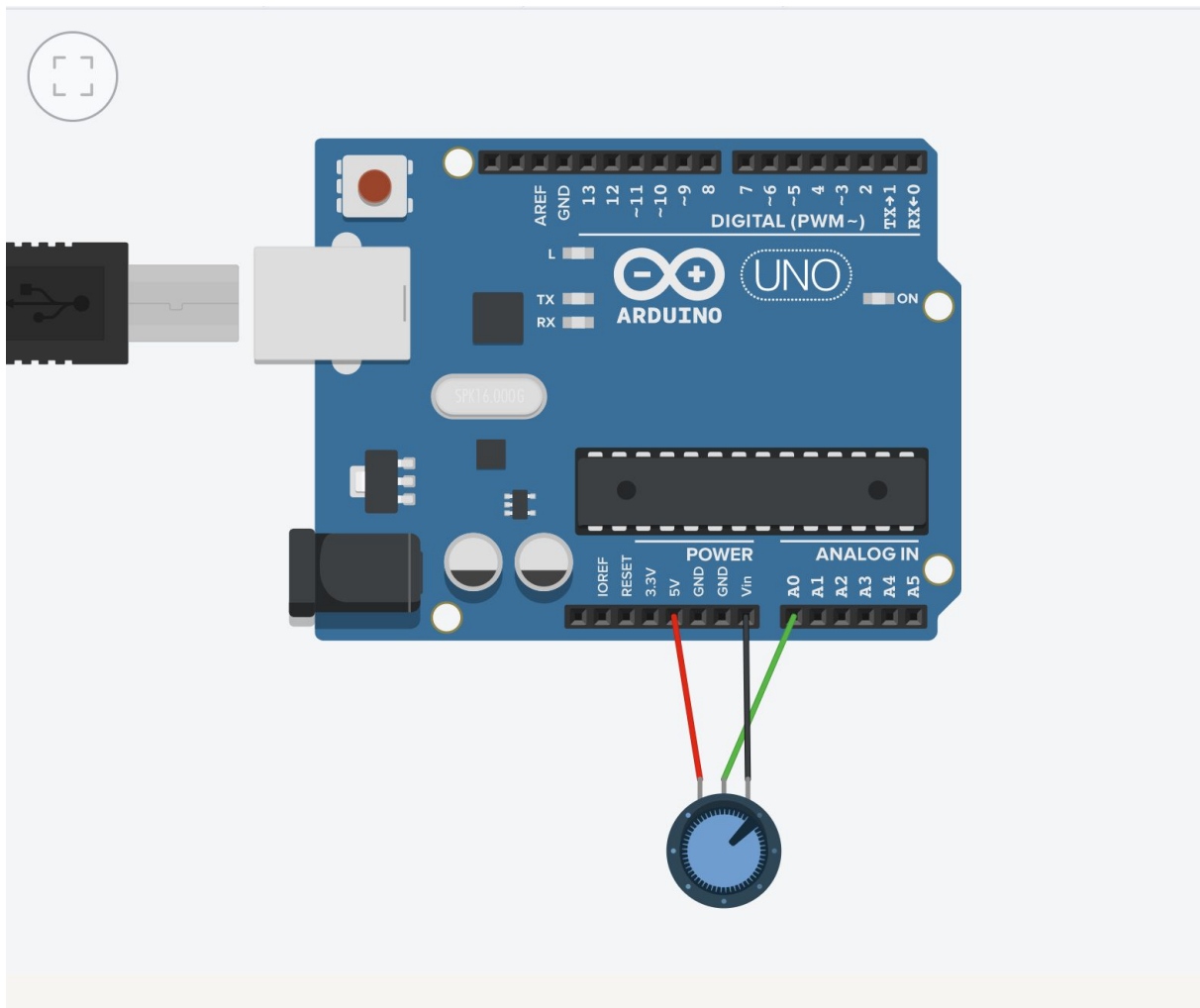
Program Title_____Potentiometer_____

Aim

Hardware Required

- Arduino Board
- Potentiometer

Circuit Diagram



Code:

```
void setup()
{
  Serial.begin(9600);
  pinMode(9,OUTPUT);
}

void loop()
{
  int analog=analogRead(A2);
  int brightness=map(analog, 0, 1023, 0, 255);
  analogWrite(9, brightness);
  Serial.print("analog:");
  Serial.print(analog);
  Serial.print(", Brightness:");
  Serial.print(brightness);
  delay(100);
}
```

Observation /Output:

It lets us operate the potentiometer.