Program no__05_____
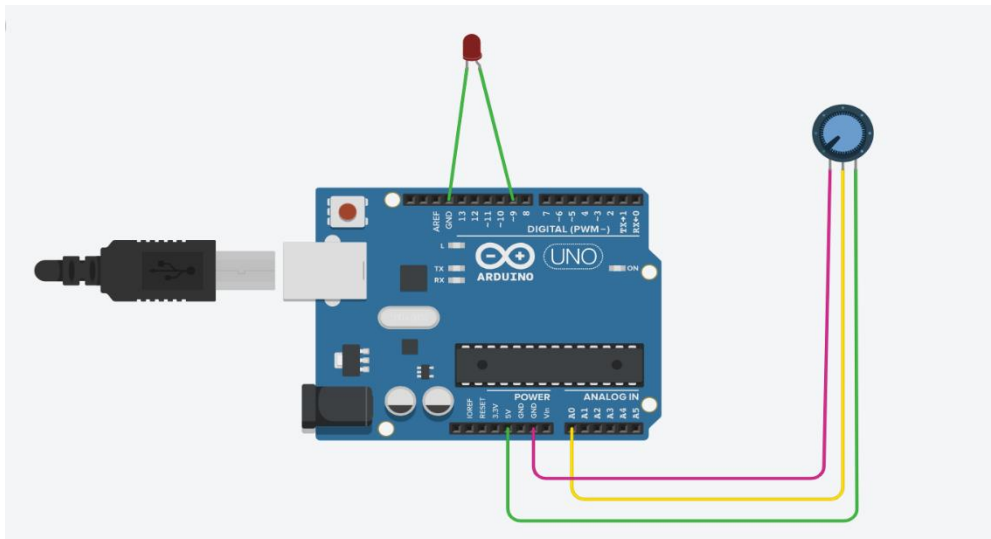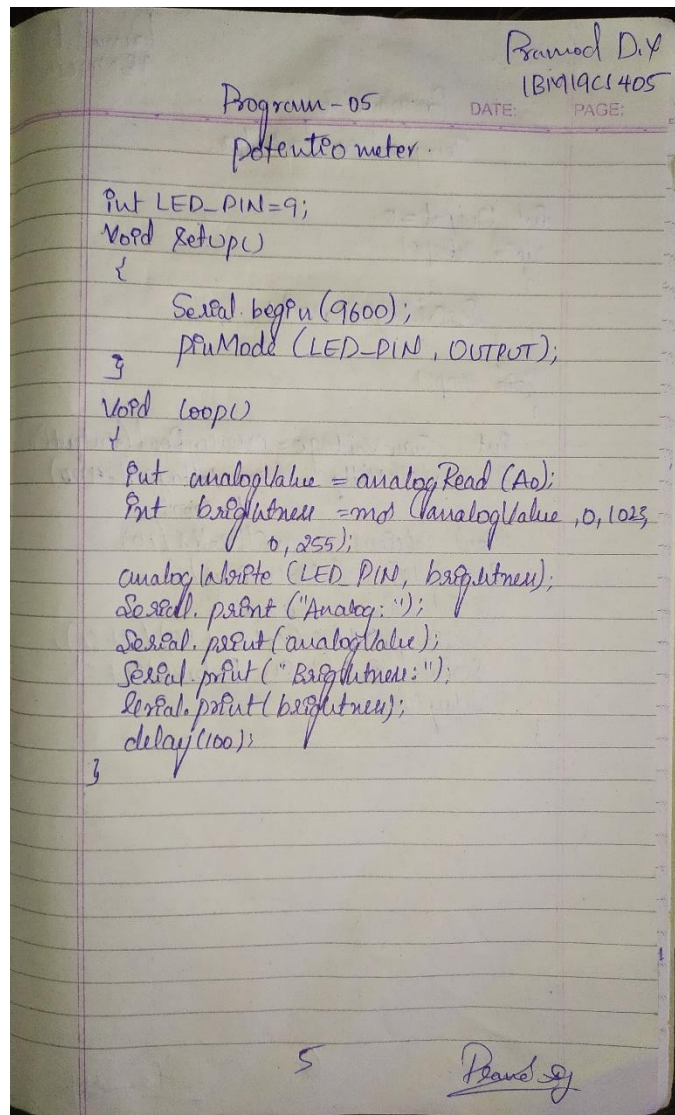
Program Title____Potentio Meter___

Aim

Hardware Required

- Arduino Board
- Wires
- LED
- Potentio Meter

Circuit Diagram

Code:

Pramod D.Y
IBM19CI405

Program – 05

Potentio meter.

```
int LED_PIN=9;
void setup()
{
    Serial.begin(9600);
    pinMode(LED_PIN, OUTPUT);
}
void loop()
{
    int analogValue = analogRead(A0);
    int brightness = map(analogValue, 0, 1023,
                    0, 255);
    analogWrite(LED_PIN, brightness);
    Serial.print("Analog:");
    Serial.print(analogValue);
    Serial.print("Brightness:");
    serial.print(brightness);
    delay(100);
}
```

5

Observation /Output