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IBM19CS409
24 9 20

Program - 5
Potentiometer

```
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);
}
```

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