

TERRAN BLAKE // ECE 241 // LAB WEDNESDAY: 7:30AM

PRELAB 9

```
void setup() {  
    Serial.begin(9600);  
  
}  
  
void loop() {  
    unsigned long currentMillis = millis();  
    unsigned long oldMillis = 0;  
    int interval = 500;  
    int SampleFromADC;  
  
    if (currentMillis - oldMillis >= interval) {  
        SampleFromADC = analogRead(0);  
        analogWrite (10, SampleFromADC/4);  
        Serial.print(SampleFromADC);  
        Serial.print( " = " );  
        Serial.print( 4.0 * SampleFromADC / 1024.0, 4 );  
        Serial.println( " volts " );  
        oldMillis + interval;  
    }  
}
```