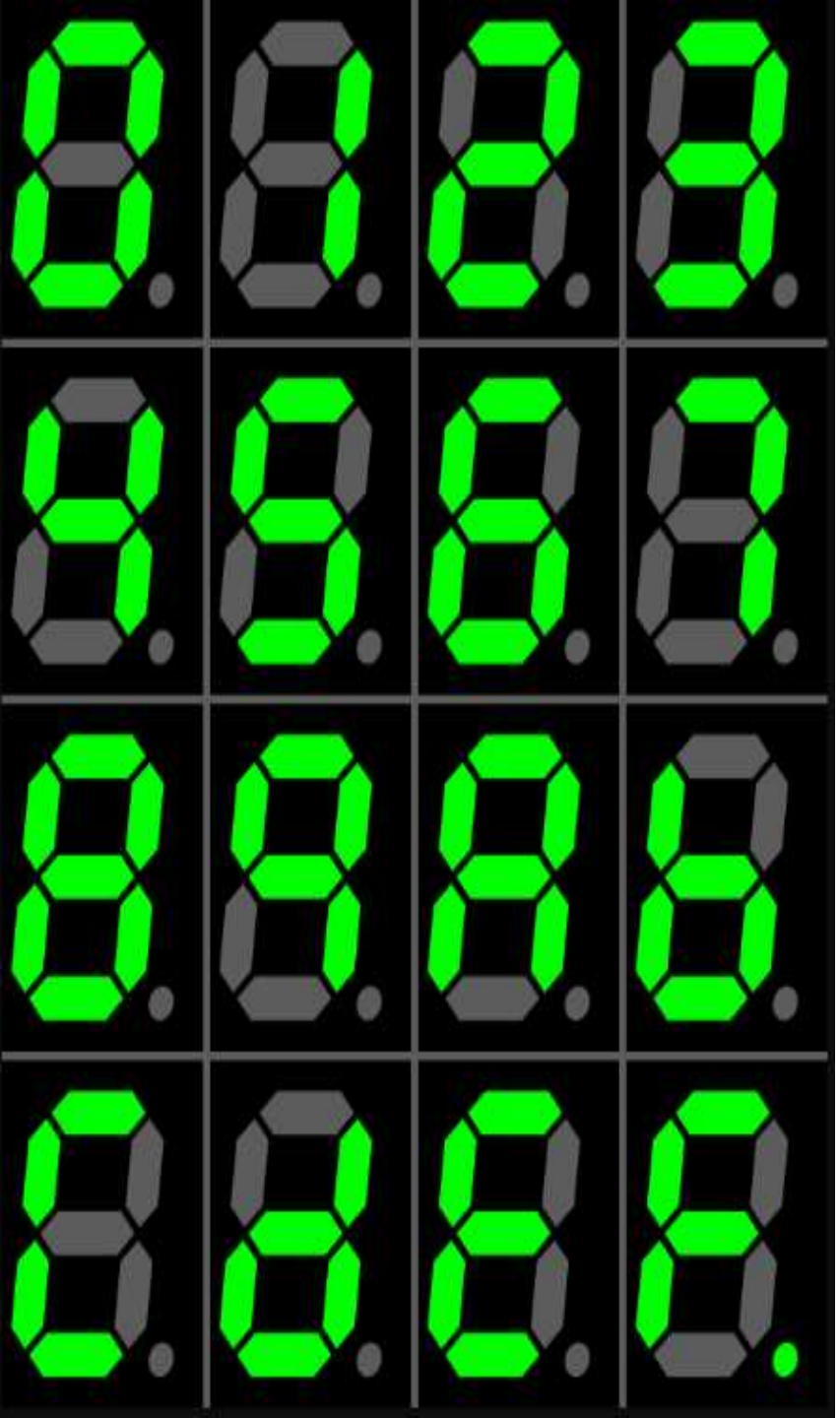
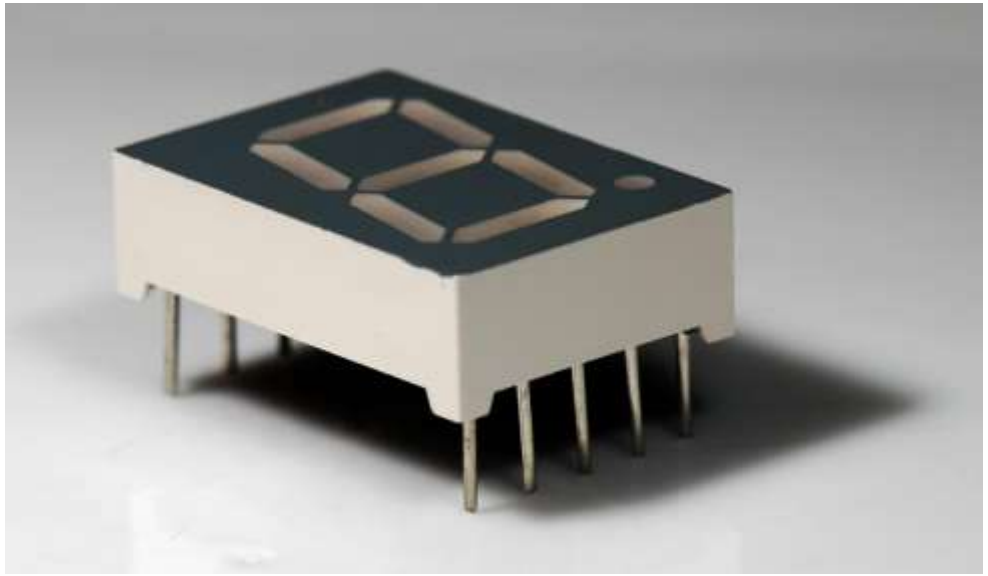
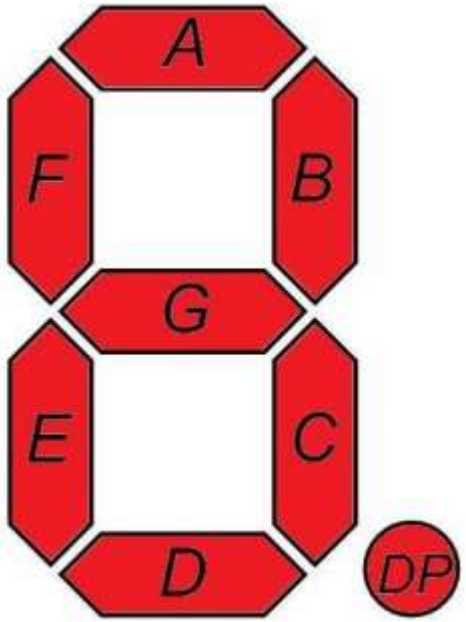


SEVEN SEGMENT DISPLAY

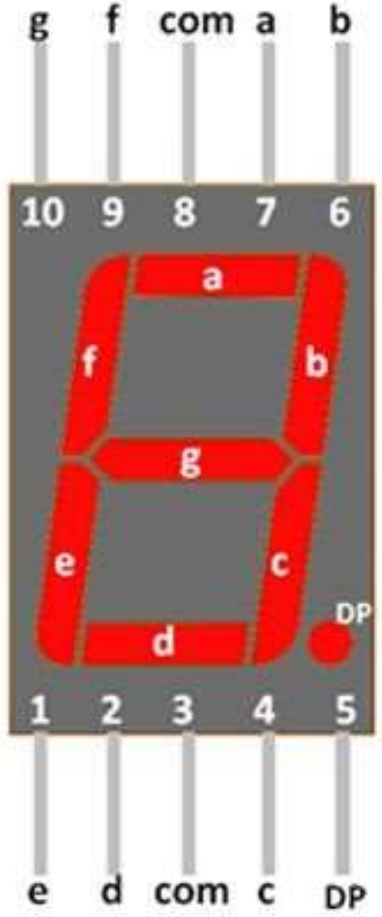
7-SEGMENT DISPLAY

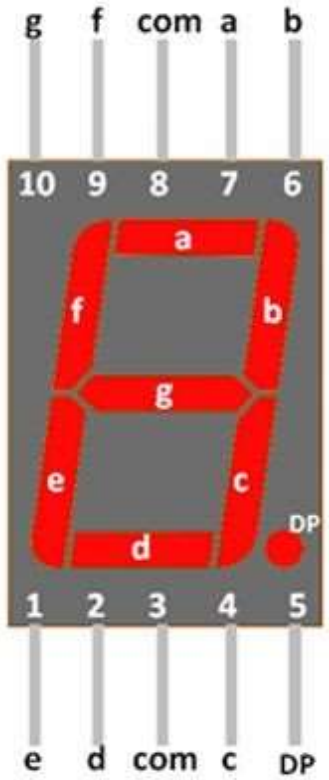
- **A Seven Segment Display is a form of electronic display device for displaying decimal numerals**

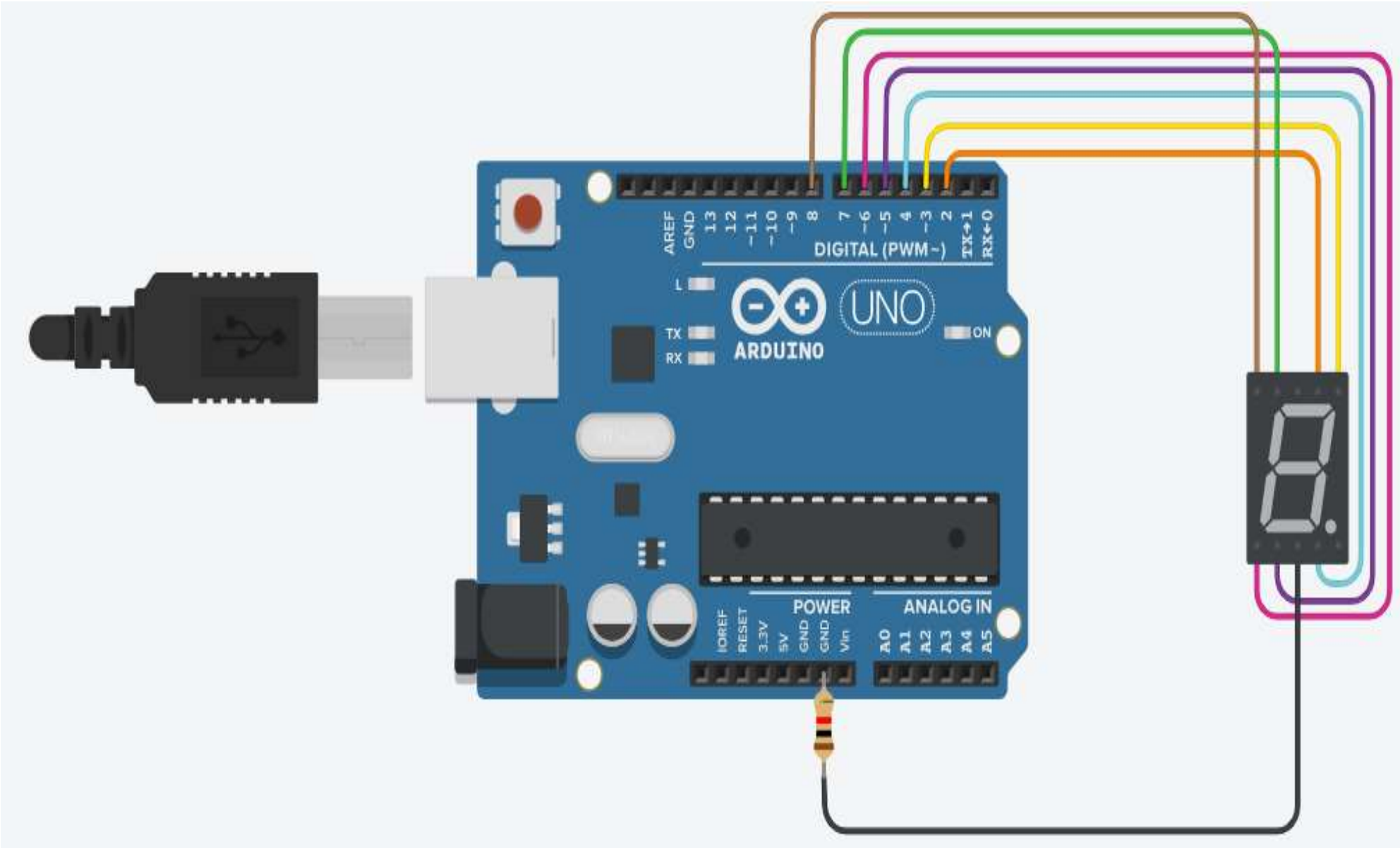




Seven Segment Display pins configuration :




g f com a b
10 9 8 7 6
a
f b
g
e c
d DP
1 2 3 4 5
e d com c DP


DIGITAL (PWM~)
UNO
ARDUINO
POWER
ANALOG IN

Code for 7 Segment Display

```
int a=4;
 int b=5;
 int c=6;
 int d=7;
 int e=8;
 int f=3;
 int g=2;


void setup()
{
  pinMode (a,OUTPUT);
  pinMode (b,OUTPUT);
  pinMode (c,OUTPUT);
  pinMode (d,OUTPUT);
  pinMode (e,OUTPUT);
  pinMode (f,OUTPUT);
  pinMode (g,OUTPUT);
}
```

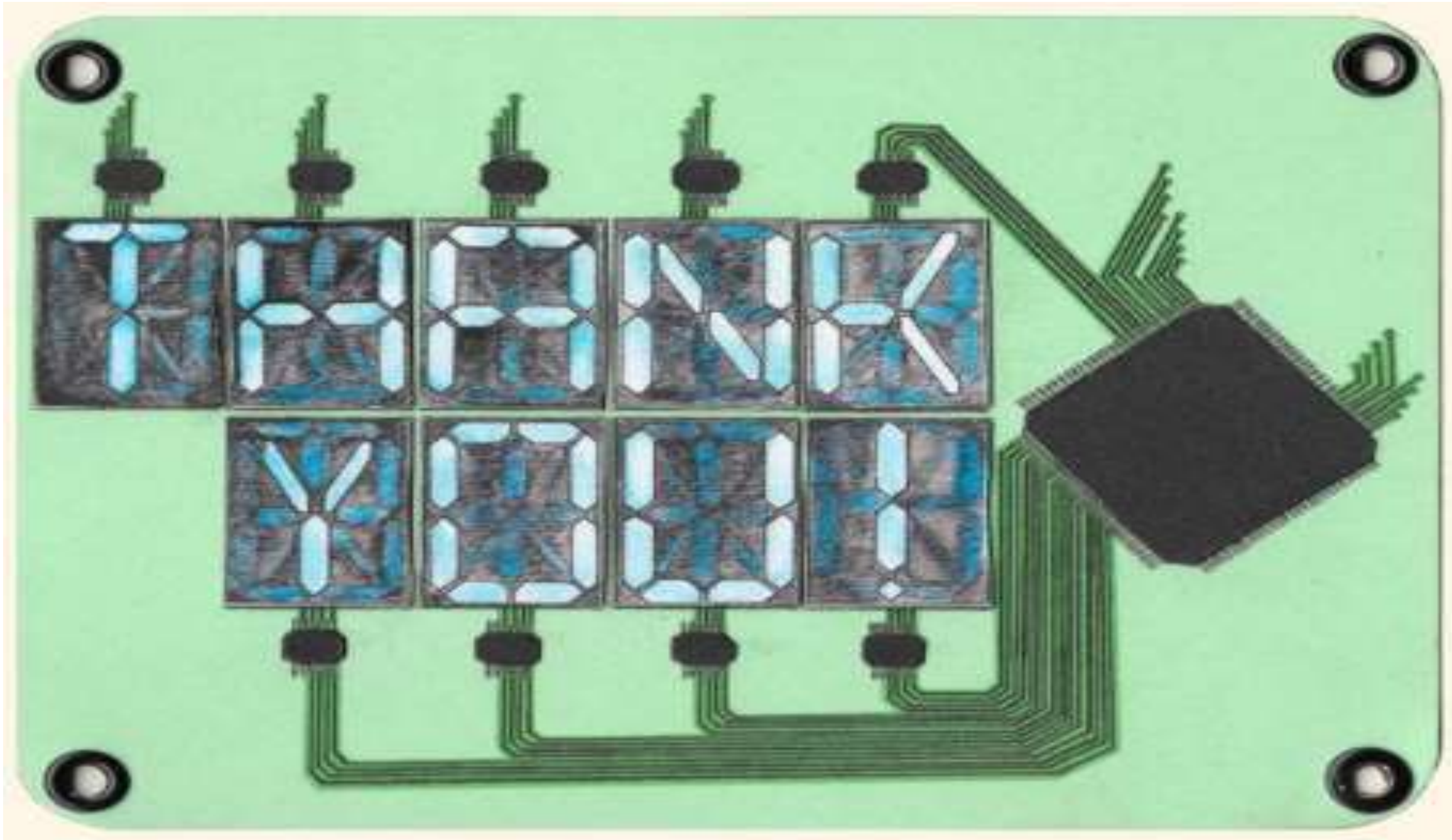
```
void zero()
{
  digitalWrite (a,LOW);
  digitalWrite (b,LOW);
  digitalWrite (c,LOW);
  digitalWrite (d,LOW);
  digitalWrite (e,LOW);
  digitalWrite (f,LOW);
  digitalWrite (g,HIGH);
  }

void one()
{
  digitalWrite (a,HIGH);
  digitalWrite (b,LOW);
  digitalWrite (c,LOW);
  digitalWrite (d,HIGH);
  digitalWrite (e,HIGH);
  digitalWrite (f,HIGH);
  digitalWrite (g,HIGH);
  }
```

```
void two()
{
  digitalWrite (a,LOW);
  digitalWrite (b,LOW);
  digitalWrite (c,HIGH);
  digitalWrite (d,LOW);
  digitalWrite (e,LOW);
  digitalWrite (f,HIGH);
  digitalWrite (g,LOW);
  }

void three()
{
  digitalWrite (a,LOW);
  digitalWrite (b,LOW);
  digitalWrite (c,LOW);
  digitalWrite (d,LOW);
  digitalWrite (e,HIGH);
  digitalWrite (f,HIGH);
  digitalWrite (g,LOW);
  }
```

```
void four()
{
  digitalWrite (a,HIGH);
  digitalWrite (b,LOW);
  digitalWrite (c,LOW);
  digitalWrite (d,HIGH);
  digitalWrite (e,HIGH);
  digitalWrite (f,LOW);
  digitalWrite (g,LOW);
  }

void five()
{
  digitalWrite (a,LOW);
  digitalWrite (b,HIGH);
  digitalWrite (c,LOW);
  digitalWrite (d,LOW);
  digitalWrite (e,HIGH);
  digitalWrite (f,LOW);
  digitalWrite (g,LOW);
  }
```

```
void six()
{
  digitalWrite (a,LOW);
  digitalWrite (b,HIGH);
  digitalWrite (c,LOW);
  digitalWrite (d,LOW);
  digitalWrite (e,LOW);
  digitalWrite (f,LOW);
  digitalWrite (g,LOW);
  }

void seven()
{
  digitalWrite (a,LOW);
  digitalWrite (b,LOW);
  digitalWrite (c,LOW);
  digitalWrite (d,HIGH);
  digitalWrite (e,HIGH);
  digitalWrite (f,HIGH);
  digitalWrite (g,HIGH);
  }
```

```
void eight()
{
  digitalWrite (a,LOW);
  digitalWrite (b,LOW);
  digitalWrite (c,LOW);
  digitalWrite (d,LOW);
  digitalWrite (e,LOW);
  digitalWrite (f,LOW);
  digitalWrite (g,LOW);
  }

void nine()
{
  digitalWrite (a,LOW);
  digitalWrite (b,LOW);
  digitalWrite (c,LOW);
  digitalWrite (d,LOW);
  digitalWrite (e,HIGH);
  digitalWrite (f,LOW);
  digitalWrite (g,LOW);
  }
```

```
void loop()
{
  nine();
  delay(1000);
 eight();
  delay(1000);
 seven();
  delay(1000);
 six();
  delay(1000);
 five();
  delay(1000);
 four();
  delay(1000);
 three();
  delay(1000);
 two();
  delay(1000);
 one();
  delay(1000);
 zero();
  delay(1000);
}
```

Let's start the countdown !