#define segA 2

#define segB 3

#define segC 4

#define segD 5

#define segE 6

#define segF 7

#define segG 8

#define segH 9

int count = 0;

void setup() {

// put your setup code here, to run once:

for(int i=2;i<10;i++)

{

pinMode(i,OUTPUT);

}

}

void loop() {

// put your main code here, to run repeatedly:

switch(count)

{

case 0:

{

digitalWrite(segA,HIGH);

digitalWrite(segB,HIGH);

digitalWrite(segC,HIGH);

digitalWrite(segD,HIGH);

digitalWrite(segE,HIGH);

digitalWrite(segF,HIGH);

digitalWrite(segG,LOW);

break;

}

case 1:

{

digitalWrite(segA,LOW);

digitalWrite(segB,HIGH);

digitalWrite(segC,HIGH);

digitalWrite(segD,LOW);

digitalWrite(segE,LOW);

digitalWrite(segF,LOW);

digitalWrite(segG,LOW);

break;

}

case 2:

{

digitalWrite(segA,HIGH);

digitalWrite(segB,HIGH);

digitalWrite(segC,LOW);

digitalWrite(segD,HIGH);

digitalWrite(segE,HIGH);

digitalWrite(segF,LOW);

digitalWrite(segG,HIGH);

break;

}

case 3:

{

digitalWrite(segA,HIGH);

digitalWrite(segB,HIGH);

digitalWrite(segC,HIGH);

digitalWrite(segD,HIGH);

digitalWrite(segE,LOW);

digitalWrite(segF,LOW);

digitalWrite(segG,HIGH);

break;

}

case 4:

{

digitalWrite(segA,LOW);

digitalWrite(segB,HIGH);

digitalWrite(segC,HIGH);

digitalWrite(segD,LOW);

digitalWrite(segE,LOW);

digitalWrite(segF,HIGH);

digitalWrite(segG,HIGH);

break;

}

case 5:

{

digitalWrite(segA,HIGH);

digitalWrite(segB,LOW);

digitalWrite(segC,HIGH);

digitalWrite(segD,HIGH);

digitalWrite(segE,LOW);

digitalWrite(segF,HIGH);

digitalWrite(segG,HIGH);

break;

}

case 6:

{

digitalWrite(segA,HIGH);

digitalWrite(segB,LOW);

digitalWrite(segC,HIGH);

digitalWrite(segD,HIGH);

digitalWrite(segE,HIGH);

digitalWrite(segF,HIGH);

digitalWrite(segG,HIGH);

break;

}

case 7:

{

digitalWrite(segA,HIGH);

digitalWrite(segB,HIGH);

digitalWrite(segC,HIGH);

digitalWrite(segD,LOW);

digitalWrite(segE,LOW);

digitalWrite(segF,LOW);

digitalWrite(segG,LOW);

break;

}

case 8:

{

digitalWrite(segA,HIGH);

digitalWrite(segB,HIGH);

digitalWrite(segC,HIGH);

digitalWrite(segD,HIGH);

digitalWrite(segE,HIGH);

digitalWrite(segF,HIGH);

digitalWrite(segG,HIGH);

break;

}

case 9:

{

digitalWrite(segA,HIGH);

digitalWrite(segB,HIGH);

digitalWrite(segC,HIGH);

digitalWrite(segD,HIGH);

digitalWrite(segE,LOW);

digitalWrite(segF,HIGH);

digitalWrite(segG,HIGH);

break;

}

case 10:

{

digitalWrite(segA,HIGH);

digitalWrite(segB,HIGH);

digitalWrite(segC,HIGH);

digitalWrite(segD,LOW);

digitalWrite(segE,HIGH);

digitalWrite(segF,HIGH);

digitalWrite(segG,HIGH);

break;

}

case 11:

{

digitalWrite(segA,LOW);

digitalWrite(segB,LOW);

digitalWrite(segC,HIGH);

digitalWrite(segD,HIGH);

digitalWrite(segE,HIGH);

digitalWrite(segF,HIGH);

digitalWrite(segG,HIGH);

break;

}

case 12:

{

digitalWrite(segA,HIGH);

digitalWrite(segB,LOW);

digitalWrite(segC,LOW);

digitalWrite(segD,HIGH);

digitalWrite(segE,HIGH);

digitalWrite(segF,HIGH);

digitalWrite(segG,LOW);

break;

}

case 13:

{

digitalWrite(segA,LOW);

digitalWrite(segB,HIGH);

digitalWrite(segC,HIGH);

digitalWrite(segD,HIGH);

digitalWrite(segE,HIGH);

digitalWrite(segF,LOW);

digitalWrite(segG,HIGH);

break;

}

case 14:

{

digitalWrite(segA,HIGH);

digitalWrite(segB,LOW);

digitalWrite(segC,LOW);

digitalWrite(segD,HIGH);

digitalWrite(segE,HIGH);

digitalWrite(segF,HIGH);

digitalWrite(segG,HIGH);

break;

}

case 15:

{

digitalWrite(segA,HIGH);

digitalWrite(segB,LOW);

digitalWrite(segC,LOW);

digitalWrite(segD,LOW);

digitalWrite(segE,HIGH);

digitalWrite(segF,HIGH);

digitalWrite(segG,HIGH);

break;

}

}

if(count < 16)

{

count++;

delay(1000);

}

else

{

count = 0;

delay(1000);

}

}