

Arduino code for "7 segment countdown clock"

```
int A = 2;
int B = 3;
int C = 4;
int D = 5;
int E = 6;
int F = 7;
int G = 8;

//set mode to output.

void setup()
{
  pinMode(2, OUTPUT);
  pinMode(3, OUTPUT);
  pinMode(4, OUTPUT);
  pinMode(5, OUTPUT);
  pinMode(6, OUTPUT);
  pinMode(7, OUTPUT);
  pinMode(8, OUTPUT);
}

void loop()
{
  //zero
  digitalWrite(2, HIGH);
  digitalWrite(3, HIGH);
  digitalWrite(4, HIGH);
  digitalWrite(5, HIGH);
  digitalWrite(6, HIGH);
  digitalWrite(7, HIGH);
  digitalWrite(8, LOW);
  delay(1000);

  // nine
  digitalWrite(A, HIGH);
  digitalWrite(B, HIGH);
  digitalWrite(C, HIGH);
  digitalWrite(D, LOW);
  digitalWrite(E, LOW);
  digitalWrite(F, HIGH);
  digitalWrite(G, HIGH);
  delay(1000);

  //eight
  digitalWrite(A, HIGH);
```

```
digitalWrite(B, HIGH);  
digitalWrite(C, HIGH);  
digitalWrite(D, HIGH);  
digitalWrite(E, HIGH);  
digitalWrite(F, HIGH);  
digitalWrite(G, HIGH);  
delay(1000);
```

```
//seven
```

```
digitalWrite(A, HIGH);  
digitalWrite(B, HIGH);  
digitalWrite(C, HIGH);  
digitalWrite(D, LOW);  
digitalWrite(E, LOW);  
digitalWrite(F, LOW);  
digitalWrite(G, LOW);  
delay(1000);
```

```
//six
```

```
digitalWrite(A, HIGH);  
digitalWrite(B, LOW);  
digitalWrite(C, HIGH);  
digitalWrite(D, HIGH);  
digitalWrite(E, HIGH);  
digitalWrite(F, HIGH);  
digitalWrite(G, HIGH);  
delay(1000);
```

```
//five
```

```
digitalWrite(A, HIGH);  
digitalWrite(B, LOW);  
digitalWrite(C, HIGH);  
digitalWrite(D, HIGH);  
digitalWrite(E, LOW);  
digitalWrite(F, HIGH);  
digitalWrite(G, HIGH);  
delay(1000);
```

```
//four
```

```
digitalWrite(A, LOW);  
digitalWrite(B, HIGH);  
digitalWrite(C, HIGH);  
digitalWrite(D, LOW);  
digitalWrite(E, LOW);  
digitalWrite(F, HIGH);
```

```
digitalWrite(G, HIGH);  
delay(1000);
```

```
//three
```

```
digitalWrite(A, HIGH);  
digitalWrite(B, HIGH);  
digitalWrite(C, HIGH);  
digitalWrite(D, HIGH);  
digitalWrite(E, LOW);  
digitalWrite(F, LOW);  
digitalWrite(G, HIGH);  
delay(1000);
```

```
//two
```

```
digitalWrite(A, HIGH);  
digitalWrite(B, HIGH);  
digitalWrite(C, LOW);  
digitalWrite(D, HIGH);  
digitalWrite(E, HIGH);  
digitalWrite(F, LOW);  
digitalWrite(G, HIGH);  
delay(1000);
```

```
//one
```

```
digitalWrite(A, LOW);  
digitalWrite(B, HIGH);  
digitalWrite(C, HIGH);  
digitalWrite(D, LOW);  
digitalWrite(E, LOW);  
digitalWrite(F, LOW);  
digitalWrite(G, LOW);  
delay(1000);
```

```
}
```