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

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

void loop () {
                                                  // Display 0
 digitalWrite (a, HIGH);
 digitalWrite (b, HIGH);
 digitalWrite (c, HIGH);
 digitalWrite (d, HIGH);
 digitalWrite (e, HIGH);
 digitalWrite (f, HIGH);
 digitalWrite (g, LOW);
 delay(1000);


                                                  // Display 1
 digitalWrite (a, LOW);
 digitalWrite (b, HIGH);
 digitalWrite (c, HIGH);
 digitalWrite (d, LOW);
 digitalWrite (e, LOW);
 digitalWrite (f, LOW);
 digitalWrite (g, LOW);
 delay(1000);


                                                  // Display 2
 digitalWrite (a, HIGH);
 digitalWrite (b, HIGH);
 digitalWrite (c, LOW);
 digitalWrite (d, HIGH);
 digitalWrite (e, HIGH);
 digitalWrite (f, LOW);
 digitalWrite (g, HIGH);
 delay(1000);
```

```
                                                           // Display 3
digitalWrite (a, HIGH);
digitalWrite (b, HIGH);
digitalWrite (c, HIGH);
digitalWrite (d, HIGH);
digitalWrite (e, LOW);
digitalWrite (f, LOW);
digitalWrite (g, HIGH);
delay(1000);
                                                           // Display 4
digitalWrite (a, LOW);
digitalWrite (b, HIGH);
digitalWrite (c, HIGH);
digitalWrite (d, LOW);
digitalWrite (e, LOW);
digitalWrite (f, HIGH);
digitalWrite (g, HIGH);
delay(1000);
                                                           // Display 5
digitalWrite (a, HIGH);
digitalWrite (b, LOW);
digitalWrite (c, HIGH);
digitalWrite (d, HIGH);
digitalWrite (e, LOW);
digitalWrite (f, HIGH);
digitalWrite (g, HIGH);
delay(1000);
                                                           // Display 6
digitalWrite (a, HIGH);
digitalWrite (b, LOW);
digitalWrite (c, HIGH);
digitalWrite (d, HIGH);
digitalWrite (e, HIGH);
digitalWrite (f, HIGH);
digitalWrite (g, HIGH);
delay(1000);
                                                           // Display 7
digitalWrite (a, HIGH);
digitalWrite (b, HIGH);
digitalWrite (c, HIGH);
digitalWrite (d, LOW);
digitalWrite (e, LOW);
digitalWrite (f, LOW);
digitalWrite (g, LOW);
delay(1000);
                                                           // Display 8
digitalWrite (a, HIGH);
digitalWrite (b, HIGH);
```

```
digitalWrite (c, HIGH);
digitalWrite (d, HIGH);
digitalWrite (e, HIGH);
digitalWrite (f, HIGH);
digitalWrite (g, HIGH);
delay(1000);
                                                    // Display 9
digitalWrite (a, HIGH);
digitalWrite (b, HIGH);
digitalWrite (c, HIGH);
digitalWrite (d, HIGH);
digitalWrite (e, LOW);
digitalWrite (f, HIGH);
digitalWrite (g, HIGH);
delay(1000);

}
```