

```
/*
```

4 Digit 7 Segmentli Display OUTPUT dizilimleri.

A

F | | B

| G |

E | | C

| |

D

```
*/
```

```
int pinA = A0;
```

```
int pinB = A1;
```

```
int pinC = A2;
```

```
int pinD = A3;
```

```
int pinE = A4;
```

```
int pinF = A5;
```

```
int pinG = 2;
```

```
int D1 = 4;
```

```
int D4 = 3;
```

```
int A1_Y=13;
```

```
int A1_S=12;
```

```
int A1_K=11;
```

```
int Y1_K=10;
```

```
int Y1_Y=9;
```

```
int A2_K=6;
```

```
int A2_S=7;
```

```
int A2_Y=8;
```

```
void setup() {
```

```
    // initialize the digital pins as outputs.
```

```
    pinMode(pinA, OUTPUT);
```

```
    pinMode(pinB, OUTPUT);
```

```
    pinMode(pinC, OUTPUT);
```

```
    pinMode(pinD, OUTPUT);
```

```
    pinMode(pinE, OUTPUT);
```

```
    pinMode(pinF, OUTPUT);
```

```
    pinMode(pinG, OUTPUT);
```

```
    pinMode(D1, OUTPUT);
```

```
    pinMode(D4, OUTPUT);
```

```
    pinMode (A1_Y, OUTPUT);
```

```
    pinMode (A1_S, OUTPUT);
```

```
    pinMode (A1_K, OUTPUT);
```

```
    pinMode (A2_Y, OUTPUT);
```

```
    pinMode (A2_S, OUTPUT);
```

```
    pinMode (A2_K, OUTPUT);
```

```
    pinMode (Y1_Y, OUTPUT);
```

```
    pinMode (Y1_K, OUTPUT);
```

```
}
```

```
// the loop routine runs over and over again forever:
```

```
void loop() {

    digitalWrite(A1_Y, HIGH);
    digitalWrite(Y1_K, HIGH);
    digitalWrite(A2_K, HIGH);

    digitalWrite(D1, HIGH);
    digitalWrite(D4, LOW); // 1. Prototipte 4. digite gerek yok.
    //9
    digitalWrite(pinA, LOW);
    digitalWrite(pinB, LOW);
    digitalWrite(pinC, LOW);
    digitalWrite(pinD, LOW);
    digitalWrite(pinE, HIGH);
    digitalWrite(pinF, LOW);
    digitalWrite(pinG, LOW);
    delay(1000);          // wait for a second

    //8
    digitalWrite(pinA, LOW);
    digitalWrite(pinB, LOW);
    digitalWrite(pinC, LOW);
    digitalWrite(pinD, LOW);
    digitalWrite(pinE, LOW);
    digitalWrite(pinF, LOW);
    digitalWrite(pinG, LOW);
    delay(1000);          // wait for a second

    //7
    digitalWrite(pinA, LOW);
    digitalWrite(pinB, LOW);
```

```
digitalWrite(pinC, LOW);  
digitalWrite(pinD, HIGH);  
digitalWrite(pinE, HIGH);  
digitalWrite(pinF, HIGH);  
digitalWrite(pinG, HIGH);  
delay(1000); // wait for a second
```

```
//6
```

```
digitalWrite(pinA, LOW);  
digitalWrite(pinB, HIGH);  
digitalWrite(pinC, LOW);  
digitalWrite(pinD, LOW);  
digitalWrite(pinE, LOW);  
digitalWrite(pinF, LOW);  
digitalWrite(pinG, LOW);  
delay(1000); // wait for a second
```

```
//5
```

```
digitalWrite(pinA, LOW);  
digitalWrite(pinB, HIGH);  
digitalWrite(pinC, LOW);  
digitalWrite(pinD, LOW);  
digitalWrite(pinE, HIGH);  
digitalWrite(pinF, LOW);  
digitalWrite(pinG, LOW);  
delay(1000); // wait for a second
```

```
//4
```

```
digitalWrite(pinA, HIGH);  
digitalWrite(pinB, LOW);  
digitalWrite(pinC, LOW);
```

```
digitalWrite(pinD, HIGH);  
digitalWrite(pinE, HIGH);  
digitalWrite(pinF, LOW);  
digitalWrite(pinG, LOW);  
delay(1000);      // wait for a second
```

```
//3  
digitalWrite(pinA, LOW);  
digitalWrite(pinB, LOW);  
digitalWrite(pinC, LOW);  
digitalWrite(pinD, LOW);  
digitalWrite(pinE, HIGH);  
digitalWrite(pinF, HIGH);  
digitalWrite(pinG, LOW);  
delay(1000);      // wait for a second
```

```
//2  
digitalWrite(pinA, LOW);  
digitalWrite(pinB, LOW);  
digitalWrite(pinC, HIGH);  
digitalWrite(pinD, LOW);  
digitalWrite(pinE, LOW);  
digitalWrite(pinF, HIGH);  
digitalWrite(pinG, LOW);  
delay(1000);      // wait for a second
```

```
//1  
digitalWrite(pinA, HIGH);  
digitalWrite(pinB, LOW);  
digitalWrite(pinC, LOW);  
digitalWrite(pinD, HIGH);
```

```
digitalWrite(pinE, HIGH);  
digitalWrite(pinF, HIGH);  
digitalWrite(pinG, HIGH);  
delay(1000);      // wait for a second
```

```
//0
```

```
digitalWrite(pinA, LOW);  
digitalWrite(pinB, LOW);  
digitalWrite(pinC, LOW);  
digitalWrite(pinD, LOW);  
digitalWrite(pinE, LOW);  
digitalWrite(pinF, LOW);  
digitalWrite(pinG, HIGH);  
delay(1000);      // wait for a second
```

```
digitalWrite(A1_Y, LOW);  
digitalWrite(Y1_K, LOW);  
digitalWrite(A2_K, LOW);
```

```
digitalWrite(Y1_Y, HIGH);  
digitalWrite(A1_S, HIGH);  
digitalWrite(A2_S, HIGH);  
delay (500);
```

```
digitalWrite(A1_K, HIGH);  
digitalWrite(A2_Y, HIGH);  
delay (500); //safely period
```

```
digitalWrite(A1_S, LOW);
```

```
digitalWrite(A2_S, LOW);
```

```
digitalWrite(D1, LOW);
```

```
digitalWrite(D4, HIGH); // 1. Prototipte 4. digite gerek yok.
```

```
//9
```

```
digitalWrite(pinA, LOW);
```

```
digitalWrite(pinB, LOW);
```

```
digitalWrite(pinC, LOW);
```

```
digitalWrite(pinD, LOW);
```

```
digitalWrite(pinE, HIGH);
```

```
digitalWrite(pinF, LOW);
```

```
digitalWrite(pinG, LOW);
```

```
delay(1000);          // wait for a second
```

```
//8
```

```
digitalWrite(pinA, LOW);
```

```
digitalWrite(pinB, LOW);
```

```
digitalWrite(pinC, LOW);
```

```
digitalWrite(pinD, LOW);
```

```
digitalWrite(pinE, LOW);
```

```
digitalWrite(pinF, LOW);
```

```
digitalWrite(pinG, LOW);
```

```
delay(1000);          // wait for a second
```

```
//7
```

```
digitalWrite(pinA, LOW);
```

```
digitalWrite(pinB, LOW);
```

```
digitalWrite(pinC, LOW);
```

```
digitalWrite(pinD, HIGH);
```

```
digitalWrite(pinE, HIGH);
```

```
digitalWrite(pinF, HIGH);  
digitalWrite(pinG, HIGH);  
delay(1000); // wait for a second
```

```
//6
```

```
digitalWrite(pinA, LOW);  
digitalWrite(pinB, HIGH);  
digitalWrite(pinC, LOW);  
digitalWrite(pinD, LOW);  
digitalWrite(pinE, LOW);  
digitalWrite(pinF, LOW);  
digitalWrite(pinG, LOW);  
delay(1000); // wait for a second
```

```
//5
```

```
digitalWrite(pinA, LOW);  
digitalWrite(pinB, HIGH);  
digitalWrite(pinC, LOW);  
digitalWrite(pinD, LOW);  
digitalWrite(pinE, HIGH);  
digitalWrite(pinF, LOW);  
digitalWrite(pinG, LOW);  
delay(1000); // wait for a second
```

```
//4
```

```
digitalWrite(pinA, HIGH);  
digitalWrite(pinB, LOW);  
digitalWrite(pinC, LOW);  
digitalWrite(pinD, HIGH);  
digitalWrite(pinE, HIGH);  
digitalWrite(pinF, LOW);
```



```
digitalWrite(pinG, LOW);  
delay(1000);      // wait for a second
```

```
//3
```

```
digitalWrite(pinA, LOW);  
digitalWrite(pinB, LOW);  
digitalWrite(pinC, LOW);  
digitalWrite(pinD, LOW);  
digitalWrite(pinE, HIGH);  
digitalWrite(pinF, HIGH);  
digitalWrite(pinG, LOW);  
delay(1000);      // wait for a second
```

```
//2
```

```
digitalWrite(pinA, LOW);  
digitalWrite(pinB, LOW);  
digitalWrite(pinC, HIGH);  
digitalWrite(pinD, LOW);  
digitalWrite(pinE, LOW);  
digitalWrite(pinF, HIGH);  
digitalWrite(pinG, LOW);  
delay(1000);      // wait for a second
```

```
//1
```

```
digitalWrite(pinA, HIGH);  
digitalWrite(pinB, LOW);  
digitalWrite(pinC, LOW);  
digitalWrite(pinD, HIGH);  
digitalWrite(pinE, HIGH);  
digitalWrite(pinF, HIGH);  
digitalWrite(pinG, HIGH);
```

```
delay(1000);          // wait for a second
```

```
//0
```

```
digitalWrite(pinA, LOW);
```

```
digitalWrite(pinB, LOW);
```

```
digitalWrite(pinC, LOW);
```

```
digitalWrite(pinD, LOW);
```

```
digitalWrite(pinE, LOW);
```

```
digitalWrite(pinF, LOW);
```

```
digitalWrite(pinG, HIGH);
```

```
delay(1000);          // wait for a second
```

```
digitalWrite(Y1_Y, LOW);
```

```
digitalWrite(A1_K, LOW);
```

```
digitalWrite(A2_Y, LOW);
```

```
digitalWrite(A1_S, HIGH);
```

```
digitalWrite(A2_S, HIGH);
```

```
digitalWrite(Y1_K, HIGH);
```

```
delay (500);
```

```
digitalWrite(A2_K, HIGH);
```

```
digitalWrite(A1_Y, HIGH);
```

```
delay (500); //safely period
```

```
digitalWrite(A1_S, LOW);
```

```
digitalWrite(A2_S, LOW);
```

```
}
```