Lab 2 Interfacing Seven Segment Display with Arduino

Code

```
int a=13;
int b=12;
int c=11;
int d=10;
int e=9;
int f=8;
int g=7;

void setup() {
  // put your setup code here, to run once:
pinMode (a, OUTPUT);
pinMode (b, OUTPUT);
pinMode (c, OUTPUT);
pinMode (d, OUTPUT);
pinMode (e, OUTPUT);
pinMode (f, OUTPUT);
pinMode (g, OUTPUT);

}

void loop() {
  // put your main code here, to run repeatedly:

digitalWrite (a,0);
digitalWrite (b,0);
digitalWrite (c,0);
digitalWrite (d,0);
digitalWrite (e,0);
digitalWrite (f,0);
digitalWrite (g,1);
delay (500);

digitalWrite (a,1);
digitalWrite (b,0);
digitalWrite (c,0);
digitalWrite (d,1);
digitalWrite (e,1);
digitalWrite (f,1);
digitalWrite (g,1);
delay (500);

digitalWrite (a,0);
digitalWrite (b,0);
digitalWrite (c,1);
digitalWrite (d,0);
digitalWrite (e,0);
digitalWrite (f,1);
digitalWrite (g,0);
delay (500);

digitalWrite (a,0);
digitalWrite (b,0);
digitalWrite (c,0);
digitalWrite (d,0);
digitalWrite (e,1);
digitalWrite (f,1);
digitalWrite (g,0);
delay (500);

digitalWrite (a,1);
digitalWrite (b,0);
digitalWrite (c,0);
digitalWrite (d,1);
digitalWrite (e,1);
digitalWrite (f,0);
digitalWrite (g,0);
delay (500);

digitalWrite (a,0);
digitalWrite (b,1);
digitalWrite (c,0);
```

```
digitalWrite (d,0);
digitalWrite (e,1);
digitalWrite (f,0);
digitalWrite (g,0);
delay (500);

digitalWrite (a,0);
digitalWrite (b,1);
digitalWrite (c,0);
digitalWrite (d,0);
digitalWrite (e,0);
digitalWrite (f,0);
digitalWrite (g,0);
delay (500);

digitalWrite (a,0);
digitalWrite (b,0);
digitalWrite (c,0);
digitalWrite (d,1);
digitalWrite (e,1);
digitalWrite (f,1);
digitalWrite (g,1);
delay (500);

digitalWrite (a,0);
digitalWrite (b,0);
digitalWrite (c,0);
digitalWrite (d,0);
digitalWrite (e,0);
digitalWrite (f,0);
digitalWrite (g,0);
delay (500);

digitalWrite (a,0);
digitalWrite (b,0);
digitalWrite (c,0);
digitalWrite (d,0);
digitalWrite (e,1);
digitalWrite (f,0);
digitalWrite (g,0);
delay (500);


}
```

Output