Experiment No: 09

BECS 31421

INTERFACING 7-SEGMENT DISPLAY Exercise 02

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SOURCE CODE

```
const unsigned char numbers[10] = {0x3F, 0x06, 0x5B, 0x4F, 0x66,0x6D, 0x7D, 0x07, 0x7F, 0x6F};
  int stop = 0;
  int count =-1;
void main(){
  TRISA = 0b00000001;
  TRISB = 0b10000000;
  PORTA = 0x00;
  PORTB = 0x00;
  while(1) {
     if(PORTB.RB7 == 1 \&\& stop == 0){
           count=count+2;
           if(count > 9){
               count = 1;
           }
           PORTB = numbers[count];
           stop = 1;
           Delay_ms(100);
     }
     else if (PORTB.RB7 == 0){
     stop = 0;
     }
  }
```

SIMULATION SCREENSHOTS





























