

BMT116

MİKRODENETLEYİCİLER

11.HAFTA

GAMA MESLEK YÜKSEKOKULU

ÖĞR.GÖR.MEHMET DURSUN

;PORTA YA BAGLI OLAN BUTONLARDAN HANGİSİNE BASILIRSA O PORTA KARSILIK GELECEK
;SAYININ 7 SEGMENT DISPLAY DE GÖSTERİLMESİ

```
LIST P=16F84
```

```
INCLUDE"P16F84.INC" ;file include
```

```
BSF STATUS,RP0 ;Change page1
```

```
MOVLW H'1F'
```

```
MOVWF TRISA ;PORTA ALL input
```

```
CLRF TRISB ;TRISB=0 PORTB all output
```

```
BCF STATUS,RP0 ;Change page0
```

	CLRF	PORTB	;Clear PORTB
MAIN	BTFSC	PORTA,0	;PA0 ON?(PA0 << Low)
	GOTO	SKIP1	;PA0 OFF >> SKIP1(PA0 << High)
	MOVLW	B'00111111'	;PA0 ON >> 7segment >> 0
	MOVWF	PORTB	
	GOTO	MAIN	
SKIP1	BTFSC	PORTA,1	;PA1 ON?
	GOTO	SKIP2	;PA1 OFF >> SKIP2
	MOVLW	B'00000110'	;PA1 ON >> 7segment >> 1

```
MOVWF PORTB
GOTO MAIN
SKIP2 BTFSC PORTA,2 ;PA2 ON?
GOTO SKIP3 ;PA2 OFF >> SKIP3
MOVLW B'01011011' ;PA2 ON >> 7segment >> 2
MOVWF PORTB ;PORTB >> 0
GOTO MAIN
SKIP3 BTFSC PORTA,3 ;PA3 ON?
GOTO SKIP4 ;PA3 OFF >> SKIP4
```

```
MOVLW    B'01001111'    ;PA3 ON >> 7segment >> 3

MOVWF    PORTB          ;PORTB >> 0

GOTO     MAIN

SKIP4    MOVLW    B'01110001'    ;PA3 ON >> 7segment >> 3

MOVWF    PORTB          ;PORTB >> 0

GOTO     MAIN

END
```

PROGRAMIN ISIS DE SİMÜLASYONU

