

SHOAIB AKHTAR

20P-0147

3B

LAB-REPORT 11 & 12

CONTENT COVERED: Did the code for the 7 segment display.in computer.

```
.INCLUDE"M328pDEF.INC"
```

```
.ORG 0
```

```
LDI R16, HIGH (RAMEND)
```

```
OUT SPH, R16
```

```
LDI R16, LOW (RAMEND)
```

```
OUT SPL, R16
```

```
LDI R19, 0xFF
```

```
OUT DDRB,R19
```

START:

```
LDI R20, 0x55
```

```
OUT PORTB,R20
```

```
RCALL DELAY
```

```
LDI R21, 0xAA
```

```
OUT PORTB,R21
```

```
RCALL DELAY
```

JMP START

DELAY:

```
        LDI R16, 0xFF
AGAIN3: LDI R17, 0xFF
AGAIN2: LDI R18, 0x5
AGAIN1: DEC R18
        BRNE AGAIN1
        DEC R17
        BRNE AGAIN2
        DEC R16
        BRNE AGAIN3
        RET
```

This was the code that we did in LAB...this code is for 7-segment display....

THANK YOU :)