SHOAIB AKHTAR 20P-0147 3B

## **LAB-REPORT 13 & 14**

CONTENT COVERED: Performed the practical on hardware(7-Segment display)

.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 the previous LAB and in this lab we did this code to the machine(7-segment display)

Firstly we burned that chip. It means that the code we did in the computer now it will work on this machine...and it was working fine....

CONLUSION: It was very nice experience. I was always thinking about that how can w code a machine...so by doing this i gained alot....THANK YOU SIR!!! For arranging the LAB.:)