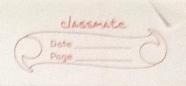
Assignment 4- Writeup.

Name - Shubham Nemade Class - SE9 Roll no - 23151 (49)

1) write a note on MPLAB IDE

- DMPLAB is a proprietary freeware integrated development environment for the development of embedded applications on PIC & DPIC muracontrollers and is developed by Microchip technology.
- 2) MPLAB x is the latest edition of MPLAB and is developed on the Net Beans platform.
- 3) MPIAB and MPIABX support project management, rode editing, debugging and programming of microchip 8 bit PIC and AVR microcontrollers, as well as 32 bit SAM (ARM) and PIC 32 (MIPS) microcontrollers.
- u) MPLABX supports automatic code generation with the MPLAB code configurator and MPLAB Harmony configurator plugins.
- 2) Write an assembly launguage provided program for PIC18 to multiply / divide two 8-bit numbers.



1) Multiply 0x05 and 0x0A COUNT EQU 0x30

MOVLW OXOS
MOVLW COUNT
MOVLW O

LOOP ADDLW OXOA

DECFSZ COUNT, F

GO TO LOOP

Divide OXOA by 0X02

QUOTIENT EQU 0x30

MOV LW OXOA

LOOP SUBLW 0X02

INCF QUOTIENT, F

BN LOOP

DECF QUOTIENT, F