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	214455: Programming Skill Development Lab
	Name: Swappil Ajit Chhare Division: SE-10 ROII no.: 23213 Batch: E-10
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	Assignment - 3
Q1)	Write a note on MPLAB IDE
Ans i)	MPLAB is a proprietary freeware integrated
	development environment for the development
	of embedded applications on PIC and dSPIC
	microcontrollers, and is developed by Microchip
	Technology.
ii)	MPLAB X is the latest edition of MPLAB, and is developed on the MetBeans platform.
/iii	MPLAB and MPLAB X support project management,
	co code editing, dehugging and programming of
	Microchip 8-bit PIC and AVR microcontrollers,
	16 bit PIC24 and dsPIC microcontrollers, as well
	as 32 bit SAM (ARM) and PIC32 (MIPS)
	microcontrollers
iv)	MPLAB x supports automatic code
	generation with the MPLAB code Configurator
	and the MPLAB Harmony Configurator plugins.

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Q 2	Write an assembly language program for
· ·	PICIS to multiply two 8 bit numbers using
01-70	consecutive addition.
0)	1 431011
	Multiply 0x05 and 0x0A
	8 - 112 m 2 p 12 A
	COUNT EQU 0x30
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	MOVLW OXOS
	MOVWE COUNT
	MOVIN OMNIONA O
	TITLE NO PAGOLINA AL DOS MALLANDAMINA
	LOOP ADDLW OXOA
21 1500	DECESZ COUNT, F
	GOTO LOOP
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	(291M) (8019 bits (ARII) and PICSS (MIPS)
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Q 3	Write an assembly language program for PIC18
	to divide one 8 bit number by another 8 bit
	number using consecutive subtractions.
	Divide 0x0A by 0x02
	0110715117 5011 01120
	QUOTIENT EQU 0x30
	MOVLW OX OA
	LOOP SUBLW 0x01
	INCF QUOTIENT, F
	BN LOOP
	DECF QUOTIENT, F
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