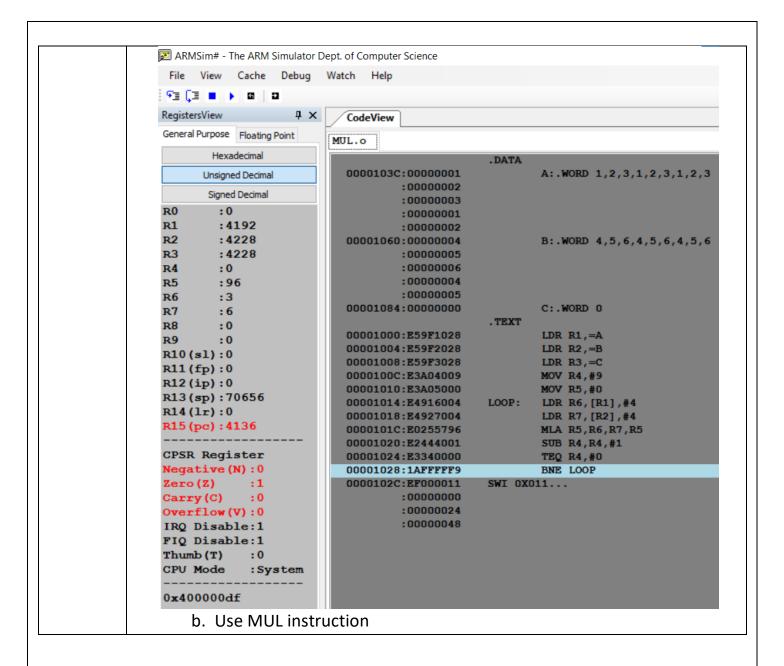


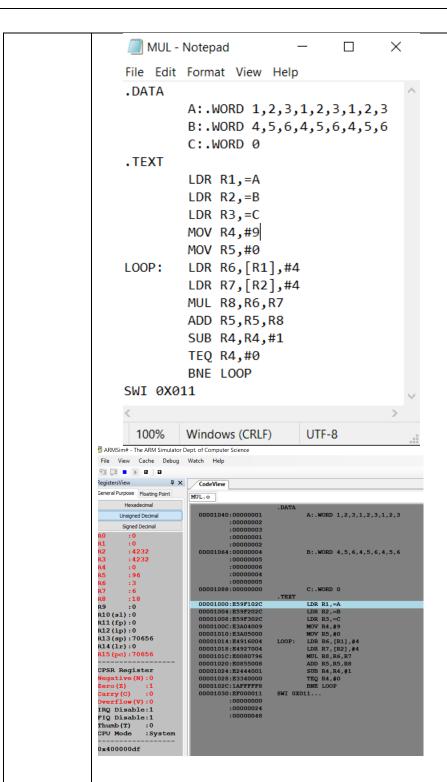
Department of Computer Science & Engineering Microprocessor & Computer Architecture MPCA-Laboratory/Assignment/Hands-on/Project

UE20CS252

NAME:GAURAV MAHAJAN SEC: C SRN:PES1UG20CS150

SI. No	Programs
Week No.5	Student exercises: 1. Write a program in ARM7TDMI-ISA to multiply 2 matrices of order3. i.e., implement c[i][j]=c[i][j] + a[i][j] x b[i][j]. a. Use MLA instruction
	■ MLA - Notepad
	File Edit Format View Help
	A:.WORD 1,2,3,1,2,3,1,2,3 B:.WORD 4,5,6,4,5,6 C:.WORD 0 .TEXT LDR R1,=A LDR R2,=B LDR R3,=C MOV R4,#9 MOV R5,#0 LOOP: LDR R6,[R1],#4 LDR R7,[R2],#4 MLA R5,R6,R7,R5 SUB R4,R4,#1 TEQ R4,#0 BNE LOOP SWI 0X011
	< > >
	Ln 9, Col 11 100% Windows (CRLF) UTF-8





2. Write a program in ARM7TDMI-ISA to find the NORM of a square matrix of order n.

