



Department of Computer Science & Engineering
Microprocessor & Computer Architecture
MPCA-Laboratory/Assignment/Hands-on/Project
UE20CS252

Sl. No	Programs
Week No.2	<ol style="list-style-type: none">Write a program in ARM7TDMI-ISA to copy a block of N data items from Location A to Location B.<ol style="list-style-type: none">Use Full word (.word directive)Use Half word(.Hword directive)Use Byte wise (.Byte directive)Write a program in ARM7TDMI-ISA to find the sum of N data items in the memory. Store the result in the memory location.<ol style="list-style-type: none">Use Full word (.word directive)Use Half word(.Hword directive)Use Byte wise (.Byte directive)Write a program in ARM7TDMI-ISA to find the sum of N natural numbers. Store the result in the memory location.Write a program in ARM7TDMI-ISA to find the product of two 32bit numbers using barrel shifter.Convert the following statement in C language into an ALP using ARM7TDMI – ISA.<pre>IF([A]==[B]) then C=[A]+[B]; ELSE IF ([B]==[C]) D=[A]-[B]; ELSE E=[A]*[B]</pre><p>Where A,B C, D & E are memory locations.</p>Write a program in ARM7TDMI-ISA to find the factorial of a number.