



Department of Computer Science & Engineering
Microprocessor & Computer Architecture - UE20CS252

Sl. No	Programs
Week No.6	<ol style="list-style-type: none">1. Write a program in ARM7TDMI-ISA to generate a diagonal matrix. Note: do not read the matrix elements.2. Write a program in ARM7TDMI-ISA to find the sum of all the positive numbers in the array. Use subroutine SUMPOSITIVE for the same.3. Write a program in ARM7TDMI-ISA to check the parity of given 32 bit number using function subprogram PARITYCHECK. Display appropriate messages as ODD PARITY or EVEN PARITY number. <p>Student exercises:</p> <ol style="list-style-type: none">1. Write a program in ARM7TDMI-ISA to find the sum of all the digits in an 32bit number.2. Write a program in ARM7TDMI-ISA to find the number of occurrences of a given character in a string. Example: Given string : My name is Bond. Character : 'n'. Expected Output : Display 2 in a register.

MPCA-Laboratory/Assignment/Hands-on/Project