

**Microprocessor & Computer Architecture**

**MPCA-Laboratory-3**

**UE20CS252**

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**Section : K**

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| **Program** |
| Write a program in ARM7TDMI-ISA to find the sum of N data items at alternate [odd or even positions] locations in the memory. Store the result in the memory location.  **a. Use Pre-indexing addressing mode:**  NOTEPAD FILE:    OUTPUT SCREENSHOT:    **b. Use Post-indexing addressing mode:**  NOTEPAD FILE:    OUTPUT SCREENSHOT:    **c. Use Auto-indexing addressing mode:**  NOTEPAD FILE:    OUTPUT SCREENSHOT: |
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