Q5: CRC-8

AIM
Write an ARM Assembly program to compute CRC-8.

TASK
Compute CRC-8 (poly x^8+x^2+x+1) of a data block pointed by R0 with length in R1. Result in R2.

Program Details
Write ARM Assembly Code using registers and instructions to achieve the task.
Instructions to use :

MOV, ADD, SUB, STR, LDR, CMP, BNE, BEQ, BGT - to implement the logic.
Use loops where required.
SHare results in memory when asked.

Hints
Follow the algorithm step by step. Verify the results in the memory window/registers in the Keil debugger.

Student Details

S. No.	Name	ID No.
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RESULTS WITH CODE

Expected Output
Expected Output: CRC value of block in R2.