

Lab 2 Programs

UE24CS251B

1	Based on value of number in r0, i. store 1 in r1 if r0 is 0 ii. store 2 in r1 if r0 is positive iii. store 3 if r0 is negative
2	Write an ARM program that generates $75 \times R0$ using shift and add/subtract operations (no MUL instruction).
3	To find GCD of two numbers using conditional instructions only.
4	Add 2 numbers from memory and store result in memory using byte addition
5	ASSIGNMENT QUESTION 1 Write an ALP using ARM7TDMI to add only even numbers stored in memory location for a given set of numbers and store the sum in the memory location.
6	ASSIGNMENT QUESTION 2 Write an ALP to evaluate the expression $(A+B) + (13*B)$, where A and B are available in memory location. Store the final result in memory Location C * Use LSL instruction for multiplication