**ARM Cortex M assembly Assignments**

1) Write a program to call two separate subroutines for doing unsigned 32 bit additions &subtraction. Initially load the parameters in registers R0 and R1 before calling subroutine, in subroutines store the result in general purpose register.

2) Write a program to call two separate subroutines for doing signed 32 bit additions &subtraction. Initially load the parameters in registers R0 and R1 before calling subroutine, in subroutines store the result in general purpose register.

3) Write a program to store a string and convert from uppercase to lowercase.

4) Write a program to add, subtract, multiply, divide two 32 bit numbers stored in the memory