**Exp-2 Simulation of Multiplication/Division using Assembly language**

**Aim:** Write an assembly language program to multiply and divide two hexadecimal numbers using in Keil

**Software used:** Keil MDK

**Multiplication Program**

area prg1, code, readonly

entry

ldr R0, =0x56789023

ldr R1, =0x87523465

umull R3, R4, R0, R1

L1 B L1

END

**Observations:**

**Division Program:**

area prg1, code, readonly

entry

mov r1,#0x05

mov r2, #0x02

l2 cmp r1,r2

bcc l1

sub r1, r1, r2

add r3,r3,#0x01

b l2

l1 b l1

end

**Observations:**

**Results:**