ECE 322 EMBEDDED SYSTEM

Lab :- 2

Name: - ARVIND KUMAR

Roll N:-2021BEC0035 **DATE:** 16/01/2024

Submitted By- ARVIND KUMAR

Code:

```
;;;;Your Name: KARTHIK.B ; ARVIND KUMAR ; AADITI.C ; KARTHIK. YT ; HARSH.G;
        EXPORT Vectors
         ALIGN
Reset_Handler
  MOV R5, \#0x3210; R5 = 0x00003210
```

```
MOVT R5, #0x7654 ;R5 = 0X76543210

MOV32 R6, #0x87654321 ;R6 = 0X87654321

LDR R7, = 0x87654321 ;R7 = 0X87654321

ADD R1,R2,R3 ;R1 = 0X00000003

MOV32 R3, #0xFFFFFFFF ;R3 = 0XFFFFFFF

ADDS R1,R2,R3 ;R1 = 0X0

SUBS R1, R2, R3 ;R1 = 0X02

MOV R4, #0xFFFFFFFF ;R4 = 0XFFFFFFF

ADD R1, R2, R4 ;R1 = 0X00

ADDS R1,R2, R4 ;R1 = 0X00

MOV R2, #0x00000002 ;R2 = 0X00000002

ADDS R1, R2, R4 ;R1 = 0X00

MOV R2, #0x00000001 ;R2 = 0X00000001

MOV R3, #0x00000002 ;R3 = 0X00000002

ADDS R1,R2,R3 ;R1 = 0X00000003

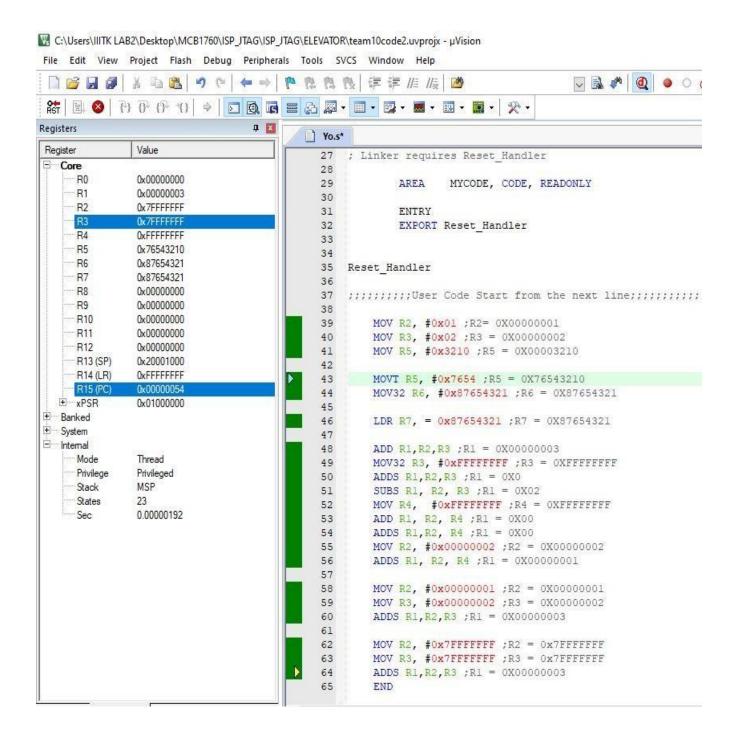
MOV R2, #0x7FFFFFFFF ;R2 = 0x7FFFFFFF

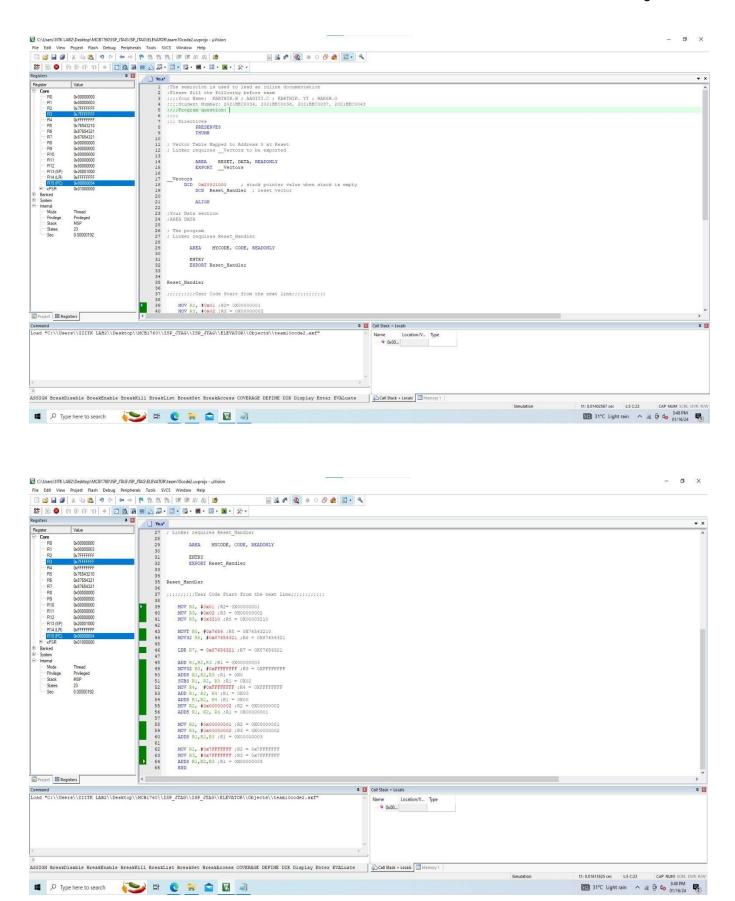
MOV R3, #0x7FFFFFFFF ;R3 = 0x7FFFFFFF

ADDS R1,R2,R3 ;R1 = 0X00000003

END
```

Output (Debug Screenshots)





Thankyou..