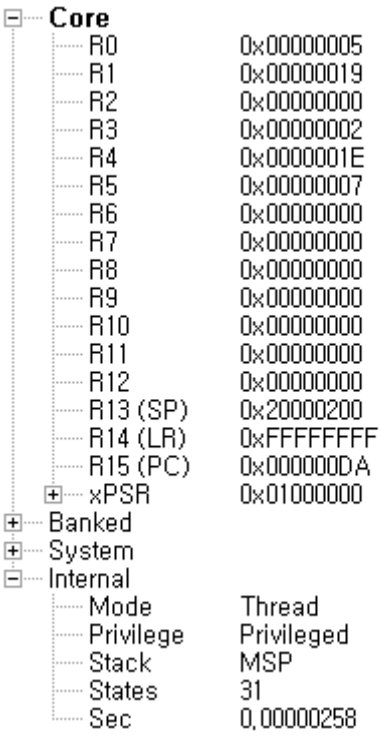
학번: 201704150 / 이름: 허강준

과제 1 Lab 2-1.s

```
;학번: 201704150 ; 이름: 허강준

LDR R0, =0x5            ;R0 =   0x5
LDR R1, =25             ;R1 =   25
LDR R3, =2              ;R3 =   2
ADD R1, R0, R1          ;R4 =   R0 +  R1
MOV R5, R4, LSR R3      ;R5 =   R4 >> R3

B .                     ;Exec Done, Wait Forever
```

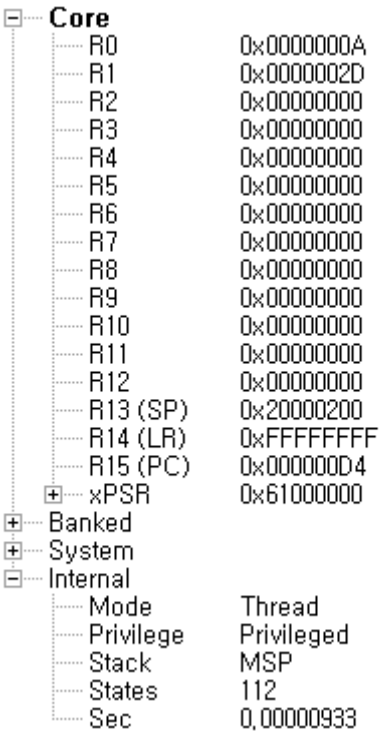
실행결과



과제 2 Lab 2-2.s

```
                ;학번: 201704150 ; 이름: 허강준

                EOR R0, R0              ; R0 ^= R0  (Used for loop ctr)
                EOR R1, R1              ; R1 ^= R1

LOOP_BEGIN      CMP R0, #10             ; Compare R0 with 10
                BGE LOOP_END            ; Branch to LOOP_END

                ADD R1, R0              ; Add ctr to R1

                ADD R0, #1              ; Increase counter
                B   LOOP_BEGIN          ; Loop again

LOOP_END        B .                     ;Exec Done, Wait Forever
```

실행결과



과제 3 Lab 2-3.s

```
                ;학번: 201704150 ; 이름: 허강준

                MOV   R1, #10   ; R1 =  10
                MOV   R2, #7    ; R2 =  7
                MOV   R0, #5    ; R0 =  5

                MUL   R1, R2    ; R1 *= R2

                CMP   R0, #5    ; compare R0 and imm 5
                BEQ   PASS_ADD  ; if equals branch to PASS_ADD

                ADD R1, R0      ; R1 += R0
                SUB R1, R2      ; R1 -= R2
                                ; These can be ADDNE, SUBNE
                                ; Instead of using CMP-BEQ

PASS_ADD        B     .         ; Exec done, wait forever
```

실행결과