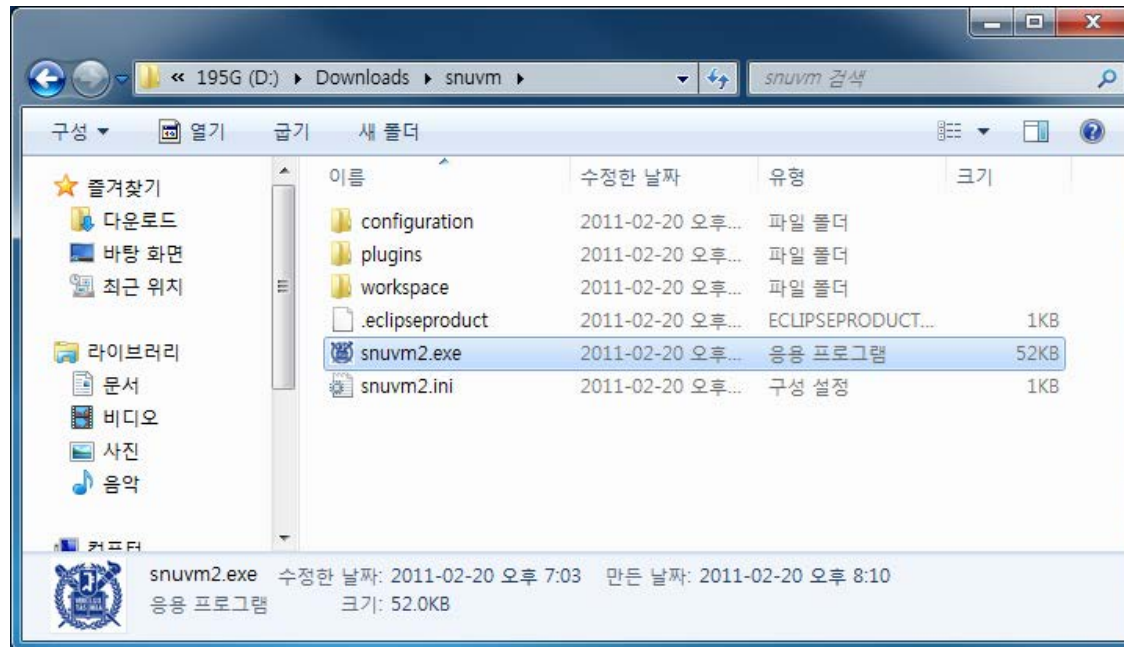


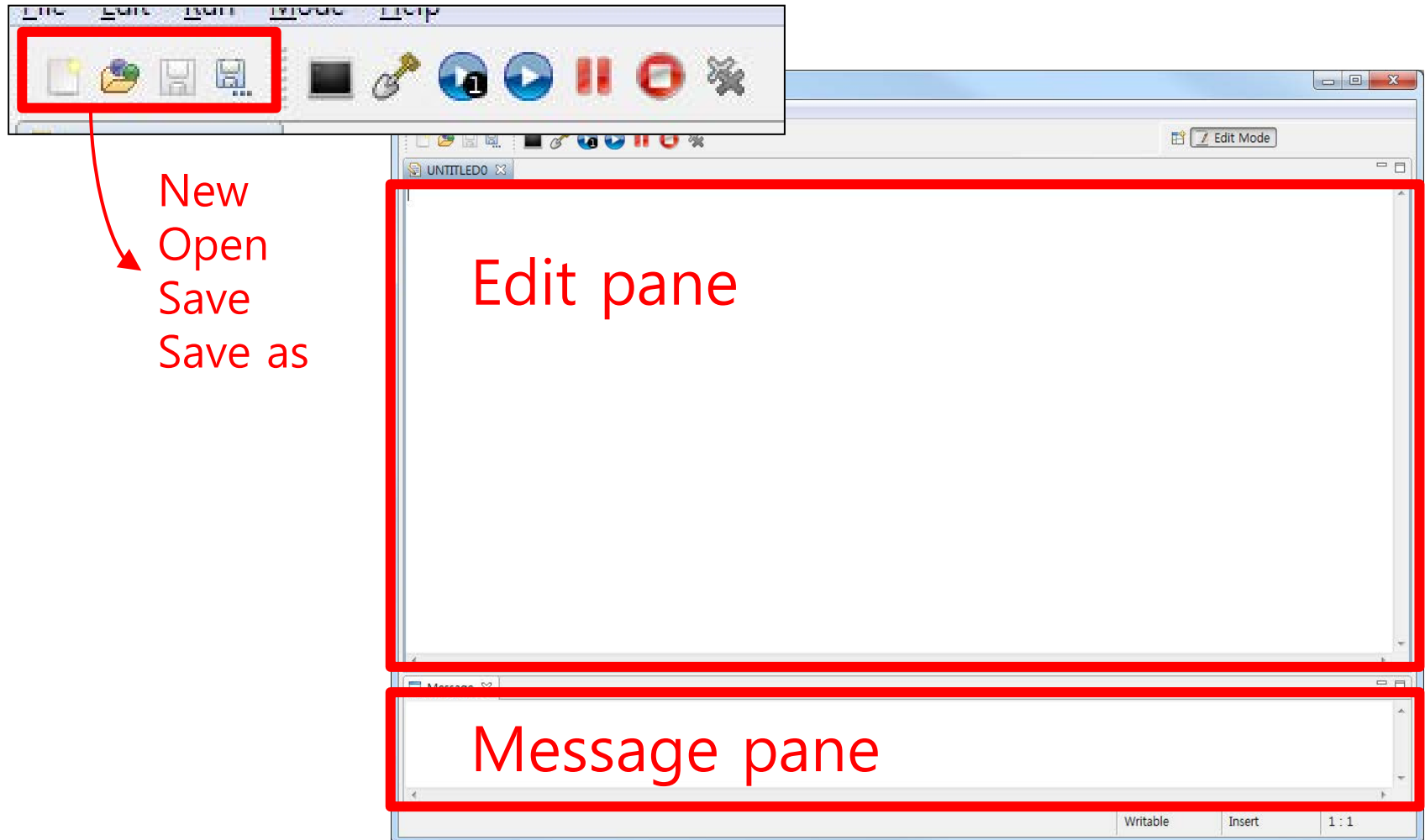
SNUVM Installation and Usage

Installation

- Download the SNUVM from <http://snuvm.snu.ac.kr> and extract the downloaded file
- SNUVM requires the J2SE Java Runtime Environment (JRE). For more information, see the installation guide



Edit Mode

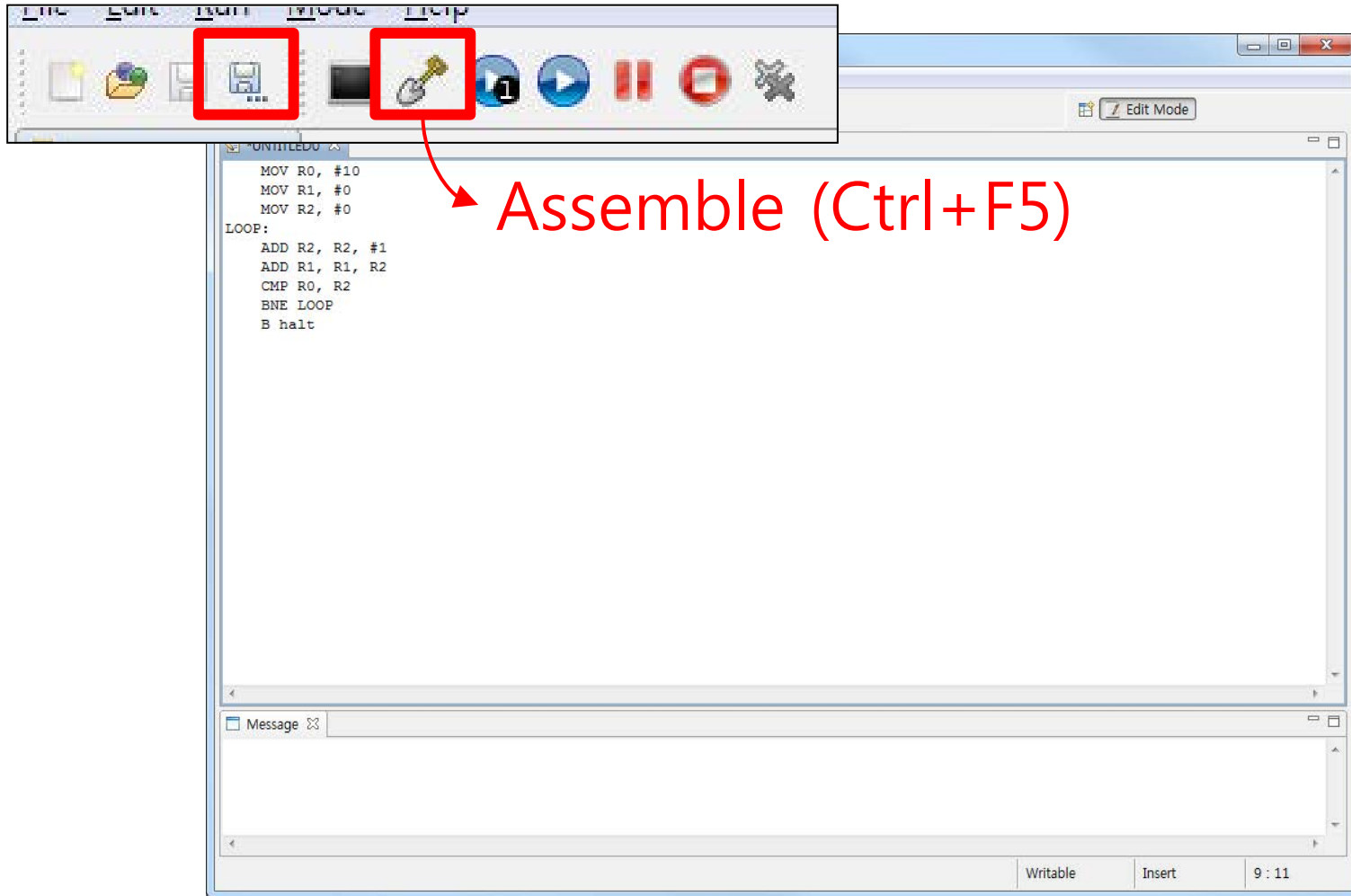


The Sum of 10 Integers

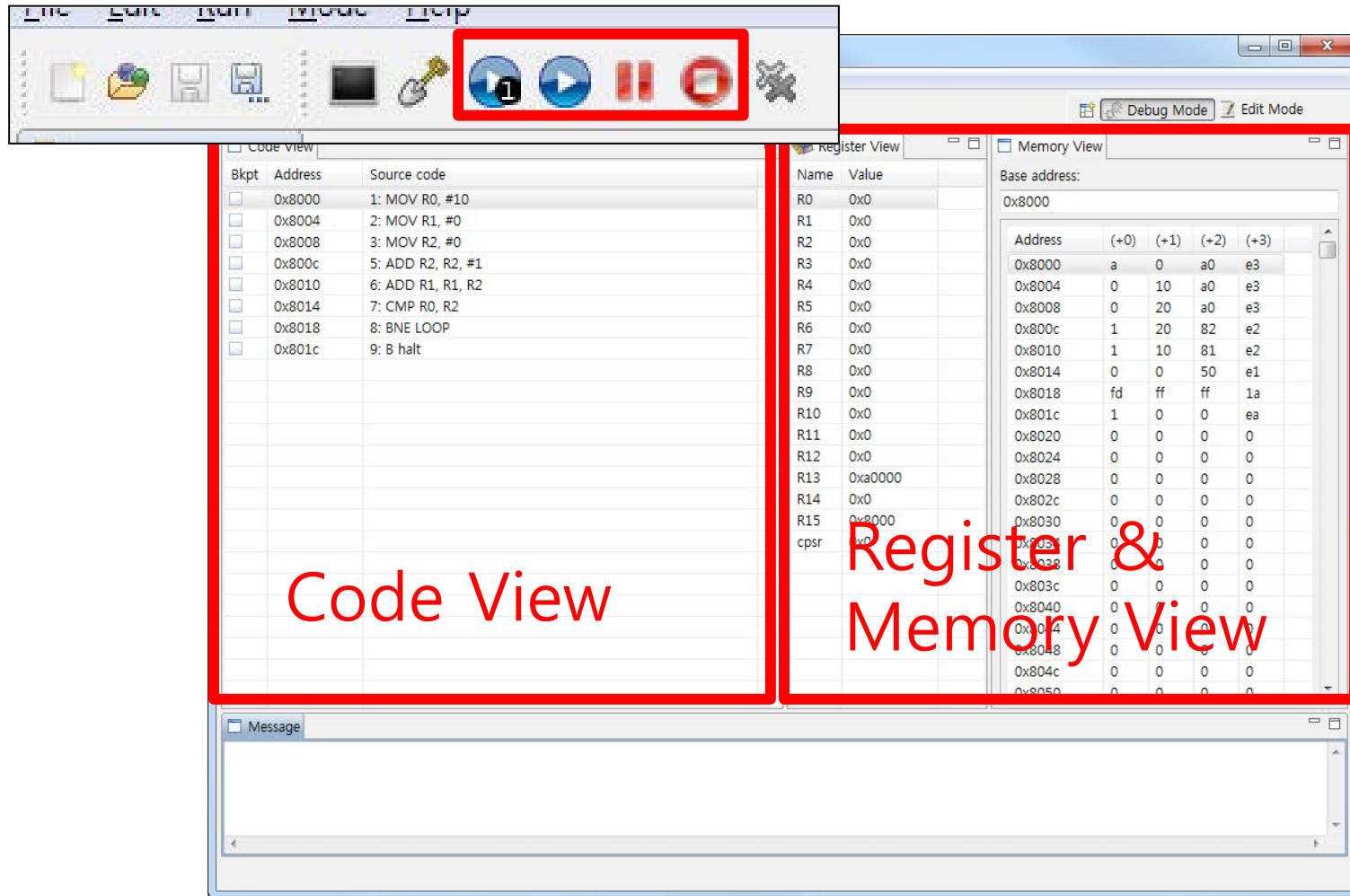
- The sum of 10 integers ranging from 1 to 10

```
MOV R0, #10
MOV R1, #0
MOV R2, #0
LOOP:
ADD R2, R2, #1
ADD R1, R1, R2
CMP R0, R2
BNE LOOP
B halt
```

Save the File & Assemble



Debug Mode



Register & Memory View

Register View		Memory View				
Name	Value	Base address:				
R0	0xa	0x8000				
R1	0x37	Address	(+0)	(+1)	(+2)	(+3)
R2	0xa	0x8000	a	0	a0	e3
R3	0x0	0x8004	0	10	a0	e3
R4	0x0	0x8008	0	20	a0	e3
R5	0x0	0x800c	1	20	82	e2
R6	0x0	0x8010	1	10	81	e2
R7	0x0	0x8014	0	0	50	e1
R8	0x0	0x8018	fd	ff	ff	1a
R9	0x0	0x801c	1	0	0	ea
R10	0x0	0x8020	0	0	0	0
R11	0x0	0x8024	0	0	0	0
R12	0x0	0x8028	0	0	0	0
R13	0xa0000	0x802c	0	0	0	0
R14	0x0	0x8030	0	0	0	0
R15	0x801c	0x8034	0	0	0	0
cpsr	0x60000000	0x8038	0	0	0	0
		0x803c	0	0	0	0
		0x8040	0	0	0	0
		0x8044	0	0	0	0
		0x8048	0	0	0	0
		0x804c	0	0	0	0
		0x8050	0	0	0	0