SAMPLE PROGRAM

1) ADD instruction using immediate operands

Program

AREA ADDER, CODE, READONLY

MON 20, #11

mov 91, #12

ADD 82, 20,91

back & back

END

OUTPUT

Before Execution

Register content

R1: 0x00000000

R2: 0x00000000

RO: 0 x0000 0000

After Execution

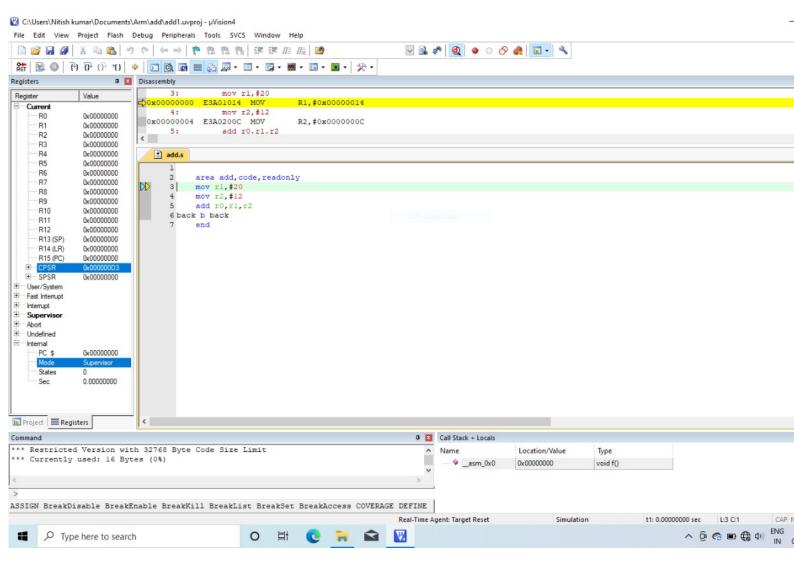
ACRO BOIL ATON

[18] ER STE

Ro: 0×0000000B (11)20=(B)

RL: 0x0000000 C [12/10=006

R 2: 0 x00000000 (23),000



(2) PROBRAM TO FIND QNE COMPLEMENT OF DATA STORED INA LOCATION.

AREA ONES, CODE, READONLY ENTRY

START

LDR rs, [rs]

LDR rs, [rs]

MVN rs, rs

LDR rs, [rs]

LDR rs, rs

LDR rs, rs

LDR rs, rs

STR rs, [rs]

back b back

C2: CXOSSOCHT [83]

Value des 0x00

AREA DATAL, DATA, READWRITE

IR, SR, SP. 001

O: Oxococtone

END

OUTPUT

Before Execution

91: 0x 00 000000

922 0X00000000

23:0x0000000

After execution Address of value

81: 0x00000000

S.2: 0× 0000000 (92=91)

23: OXFFFFFFF [33= 5]

21: 0×40000000 € Address of location Sesult

[sesult]: FFFFFFF

