

Loading Data

R4 = 0x11223344
R5 = 0x55667788
R6 = 0x99AABBCC

■ Examples

- Content of R4, R5, R6 after execution?

```

                AREA    my_data, DATA, READWRITE
00000000 11223344 my_array    DCD    0x11223344
00000004 55667788            DCD    0x55667788
00000008 99AABBCC            DCD    0x99AABBCC

```

```

                AREA    myCode, CODE, READONLY
                . . .

; load base and offset registers
0000007C 4906    LDR      R1,=my_array    ; load address of array
0000007E 4B07    LDR      R3,=0x08

; indirect addressing
00000080 680C    LDR      R4,[R1]          ; base R1
00000082 684D    LDR      R5,[R1,#0x04]    ; base R1, immediate offset
00000084 58CE    LDR      R6,[R1,R3]        ; base R1, offset R3

```

Not content of my_array, but address of my_array