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1 ;Exp 01a : Simple assembly language programming 8051 microcontroller
2 ;A2 311036 Malhar Deshmukh
3 ;6-Jul-2018
4
5 org 0000h
6     setb psw.3           ;enable bank 1
7     mov r0,#50h          ;destination
8     mov r1,#30h          ;source
9     mov r3,#5h           ;length of block stored in r3
10
11 MovData:
12     mov a,@r1            ;move from addr in r1 to A
13     mov @r0,a            ;move to addr in r0 from A
14     inc r0               ;increment destination pointer
15     inc r1               ;increment source pointer
16     djnz r3,Movdata      ;dec r3,jump if r3!=0
17 end
18
```