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 1   ; EXPERIMENT NO. 1
 2   ; PROGRAM STATEMENT- Write an ALP to move a block of N bytedata from source destinitiom.
 3   ; Asume that length of block is stored in R3 of bank 1, the source block starts from
 4   ; memory location 0x30 and destination block begins from memory location ox50.
 5   ; Name: Anil Rajpurohit, Roll no - 312046, Batch - B2
 6   ; Date of performance - 4/7/18
 7
 8
 9           ORG 0000H
10
11           SETB PSW.3      ;Select bank 1
12           MOV R0,#30H      ;R0 holding source address
13           MOV R1,#50H      ;R1 holding destination address
14           MOV R3,#10       ;no of bytes to be transfered, R3 act as counter
15      L1: MOV A,@R0         ;data from source to A
16           MOV @R1,A        ;data from a to destination
17           INC R0           ;go to next source address 40
18           INC R1           ;go to next dest address
19
20           DJNZ R2,L1       ;check all the data transfer
21
22           END
```