

```
1 //Practical - 1C
2 //Transfer a block of 10 bytes from external memory to internal memory
3 //NAME:- MRUNALI BALASAHEB BHAGYAWANT
4 //PRN NO.:- 22311520
5 //ROLL NO.:- 213047
6 //BATCH:- C2
7 //DATE:-
8
9 MOV R0, #30H ; Internal memory start address
10 MOV DPTR, #4000H ; External memory start address
11
12 MOV R2, #10 ; Counter for 10 bytes
13
14 LOOP:
15     MOVX A, @DPTR ; Read byte from external memory
16     MOV @R0, A ; Store byte in internal memory
17     INC DPTR ; Increment external memory address
18     INC R0 ; Increment internal memory address
19     DJNZ R2, LOOP ; Decrement counter and loop if not zero
20
21 END
22
23
```