

PRACTICAL – 3

AIM:

Exchange the contents of memory locations 2000H and 4000H

CODE:

ORG 100H

ORG 100H

MOV [4000H],32H

MOV [2000H],16H

MOV AX,[4000H]

MOV BX,[2000H]

MOV [4000H],BX

MOV [2000H],AX

RET

OUTPUT:

Random Access Memory

0700:4000 update ☒ table ☐ list

0700:4000	32	00	00	00	00	00	00	00	00-00	00	00	00	00	00	00	00	2.....
0700:4010	00	00	00	00	00	00	00	00	00-00	00	00	00	00	00	00	00	.....
0700:4020	00	00	00	00	00	00	00	00	00-00	00	00	00	00	00	00	00	.....
0700:4030	00	00	00	00	00	00	00	00	00-00	00	00	00	00	00	00	00	.....
0700:4040	00	00	00	00	00	00	00	00	00-00	00	00	00	00	00	00	00	.....
0700:4050	00	00	00	00	00	00	00	00	00-00	00	00	00	00	00	00	00	.....
0700:4060	00	00	00	00	00	00	00	00	00-00	00	00	00	00	00	00	00	.....
0700:4070	00	00	00	00	00	00	00	00	00-00	00	00	00	00	00	00	00	.....

Random Access Memory

0700:4000 update ☒ table ☐ list

0700:4000	16	00	00	00	00	00	00	00	00-00	00	00	00	00	00	00	00	-.....
0700:4010	00	00	00	00	00	00	00	00	00-00	00	00	00	00	00	00	00	.....
0700:4020	00	00	00	00	00	00	00	00	00-00	00	00	00	00	00	00	00	.....
0700:4030	00	00	00	00	00	00	00	00	00-00	00	00	00	00	00	00	00	.....
0700:4040	00	00	00	00	00	00	00	00	00-00	00	00	00	00	00	00	00	.....
0700:4050	00	00	00	00	00	00	00	00	00-00	00	00	00	00	00	00	00	.....
0700:4060	00	00	00	00	00	00	00	00	00-00	00	00	00	00	00	00	00	.....
0700:4070	00	00	00	00	00	00	00	00	00-00	00	00	00	00	00	00	00	.....

CONCLUSION: In this practical we learnt to exchanged contents one memory location into another memory location.