

Name : Vishnu Kant pandey  
Roll No : 304C059

Experiment no . 5  
Internal memory organisation

```
RAM -RAM
ORG 0000H
MOV R0, #20H
MOV R1, #40H
MOV R2, #05H
BACK: MOV A, @R0
MOV @R1, A
INC R0
INC R1
DJNZ R2, BACK
END
```

RAM-EX RAM

```
ORG 0000H
MOV R0, #20H
MOV DPTR, #040H
MOV R2, #05H
BACK: MOV A, @R0
MOVX @DPTR, A
INC R0
INC DPTR
DJNZ R2, BACK
END
```

ROM- RAM

```
ORG 0000H
MOV R0, #20H
MOV R1, #05H
MOV DPTR, #0234H
BACK: CLR A
MOVC A, @A+DPTR
MOV @R0, A
INC R0
INC DPTR
DJNZ R1, BACK
ORG 0234H
DB 2H, 4H, 6H, 8H, 10H
END
```