

PRACTICAL: 4(A1)

AIM: : Divide 8-bit number stored in memory locations 4009H by data stored at memory location 4001H & store result of division at memory location 400AH. (Use Data Set -4)

CODE:

```
org 100h
MOV [4009h],50h
mov [4001h],8h
mov al,[4009h]
mov bl,[4001h]
```

```
div bl;
mov [4000h],al;
```

```
ret
```

OUTPUT:

| Address | Value | Comment |
|-----------|-------|---------|
| 0700:4000 | 0A | |
| 0700:4001 | 50 | |
| 0700:4002 | 00 | |
| 0700:4003 | 00 | |
| 0700:4004 | 00 | |
| 0700:4005 | 00 | |
| 0700:4006 | 00 | |

Register P: 0B000

CONCLUSION:

In this I have learned that how to divide number of 8-bit.

PRACTICAL: 4(A2)

AIM: : Divide 8-bit number stored in memory locations 4009H by data stored at memory location 4001H & store result of module operation at memory location 400AH. .(Use Data Set - 2,4)

CODE:

```
org 100h
MOV [4009h],50h
mov [4001h],8h
mov al,[4009h]
mov bl,[4001h]
```

```
div bl;
mov [4000h],ah;
```

```
ret
```

OUTPUT:

Random Access Memory
— □ ×

700:4000

update

☒ table
 ☐ list

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|-----------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------------|
| 0700:4000 | 00 | 08 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 50 | 00 | 00 | 00 | 00 | 00 | 00 |P..... |
| 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 I have learned that how to find module of 8-bit.