



FMP-1

Intro to μPs – Code Tracing

Target Course Outcome:

CO1: Understand the architecture and function of a microprocessor through assembly programs.

Trace an assembly language program:

MOV instruction. Assume the following register values before the assembly instruction is executed; determine the final values of the registers after the code is executed. Write your answers in the output section.

GIVEN:

```
AX = 0731h
BX = D514h
CX = EF04h
DX = 08BEh
```

CODE:

```
MOV BL, AH      ; BX =
MOV AL, DL      ; AX =
MOV CX, AX      ; CX =
MOV DH, CL      ; DX =
```

OUTPUT:

```
AX =
BX =
CX =
DX =
```