



FMP-4

Intro to μ Ps – ADD instruction

Target Course Outcome:

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

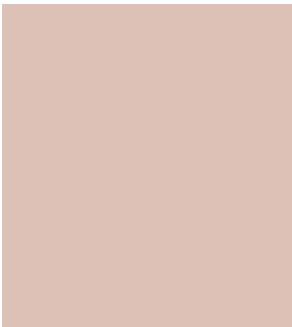
Create an assembly language program:

ADD instruction. Assume the following register values before and after the assembly instruction is executed; write the assembly code that would add the contents of AH to CL and store the sum in DX register. Show the output of all registers.

GIVEN:

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

CODE:



OUTPUT:

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