



FMP -4

Intro to μPs – ADD instruction

Target Course Outcome:

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

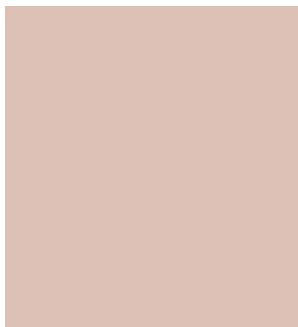
Create an assembly language program:

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 =
```