**;Two 16-bit data are stored in memory as shown in table below. Write a program to add 16-bit data at memory location 9000 (4790H) and at 9010 (6283H), and display the result in output ports. Use port A for lower byte and port B for higher byte.**

**LXI D,9000H ;Add**

**LXI H,9010H**

**DAD D**

**SHLD 0000H**

**MOV A, L ;displaying output**

**OUT 40H**

**MOV A,H**

**OUT 41H**

**JNC PRINT\_NOTHING**

**MVI A, 01H ;display carry if any**

**OUT 42H**

**HLT**

**PRINT\_NOTHING: HLT**