

Program 10 :

Write a program to check, Hex number stored at 2500H memory location is odd or even parity. If the parity is even store EEH at 2501H, else store 00H at 2501H.

Address	Label	OpCode	Operand	Comments
8000H		LDA	2500h	Load content of location 2500h into accumulator.
8003H		ORI	00h	Perform OR operation with $(00)_{16}$ to Accumulator content.
8005H		JP 0	0DD	Jump to 0DD instruction when odd parity in Accumulator
8008H		MVI	A, EEh	Move $(EE)_{16}$ into A immediately.
800AH		STA	2501h	Store A's content into 2501H
800DH		HLT		Halt
800EH	: 0DD	MVI	A, 00h	Move $(00)_{16}$ into A immediately
8010H		STA	2501H	Store A's content into 2501H
8013H		HLT		Halt