

Program 12

write a code to reset zero flag using
PUSH / POP.

Address	Label	OPCode	OPerand	Comments
8002h		LXI	SP,FFFFh	Initialize stack pointer with the location.
8005h		PUSH	PSW	Push program status word (A+F) into stack.
8006h		POP	H	POP 2 byte data from stack into HL pair.
8007h		MOV	A, L	Move contents of L, i.e., Flag data into A.
8008h		ANI	BFh	Perform AND operation with (BF) ₁₆ to A, for resetting 2nd bit.
800Ah		MOV	L, A	Move A's content back into L.
800Bh		PUSH	H	Push HL content into stack
800Ch		POP	PSW	Pop stack content back into PSW