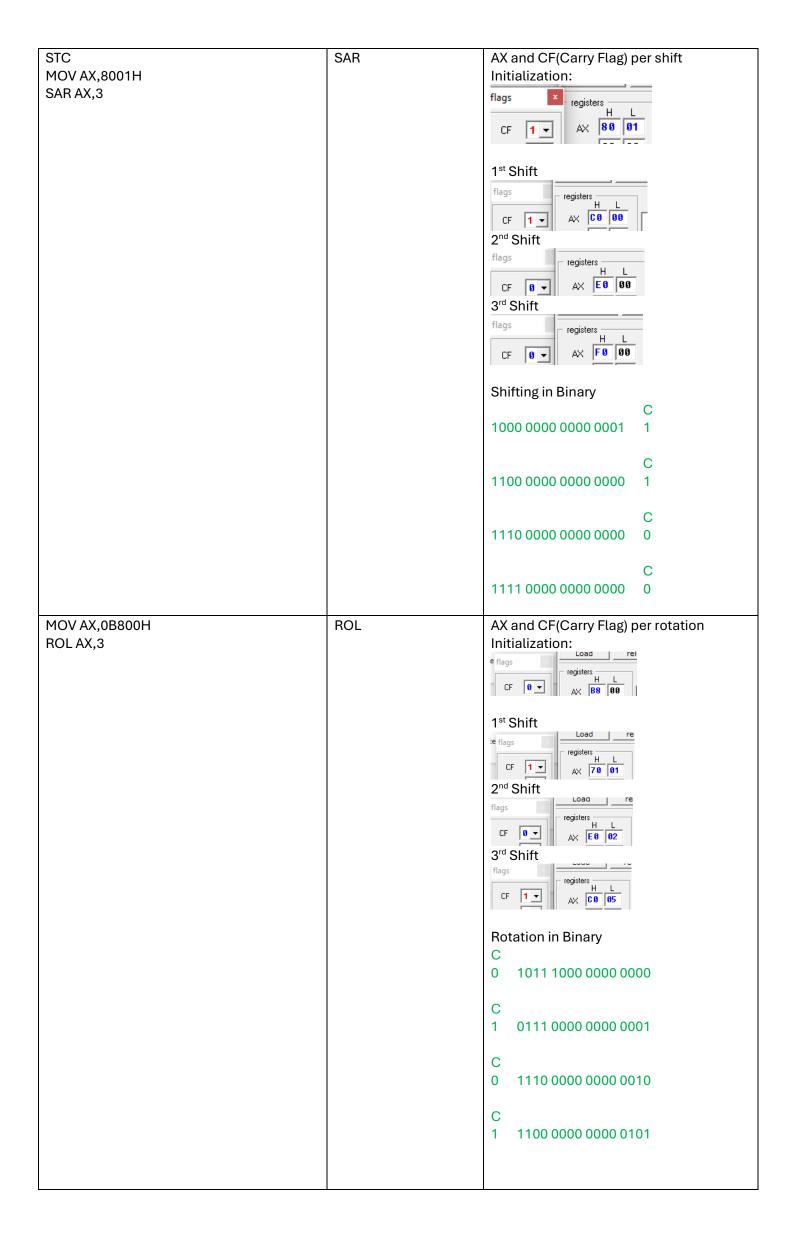
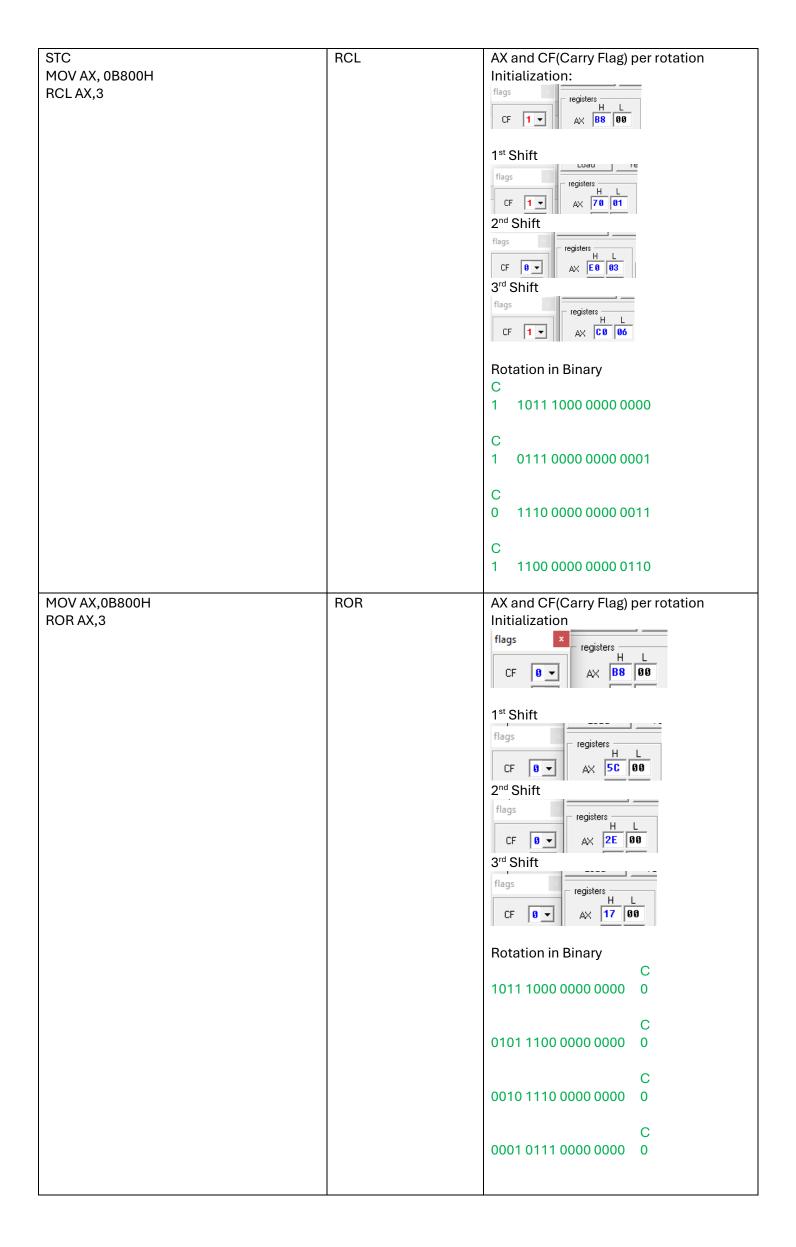
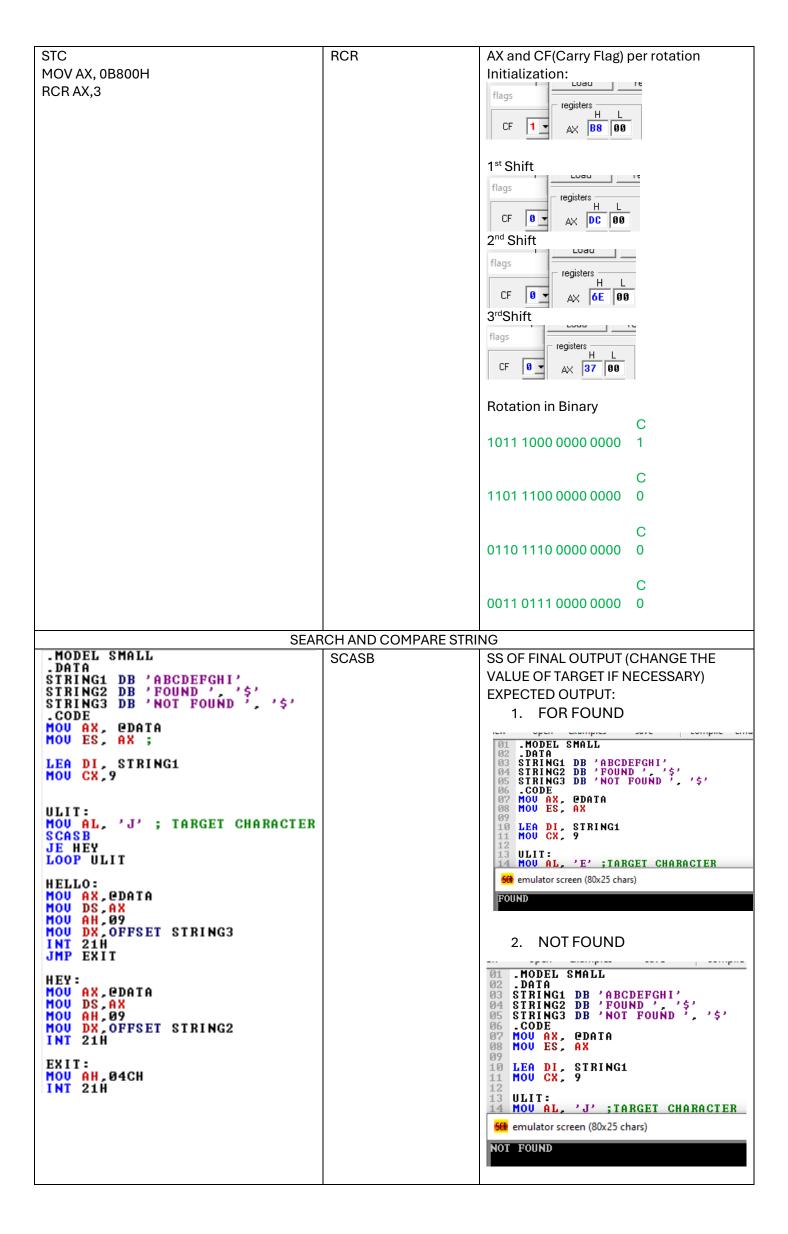
	SHIFT and ROTATE	
Code	Instruction	Screenshot
MOV AX, 8001H SHL AX,1 SAL AX,1	SHL/SAL	AX and CF(Carry Flag) per shift Initialization flags CF B AX 88 B1 1st Shift flags CF 1 AX 88 B2 2nd Shift flags CF B AX 88 B4 Shifting in Binary C 0 1000 0000 0000 0001 C 1 0000 0000
MOV AX,8001H SHR AX,3	SHL	C 0 0000 0000 0000 0100 AX and CF(Carry Flag) per shift Initialization flags CF B AX 88 B1
		1st Shift flags registers H AX 49 80 2nd Shift
		flags registers H L AX 28 88
		Flags Fregisters H L AX 10 00
		Shifting in Binary C 1000 0000 0000 0001 0
		C 0100 0000 0000 0000 1
		O010 0000 0000 0000 0
		C 0001 0000 0000 0000 0







```
.MODEL SMALL
                                                          CMPSB
                                                                                         SS OF CONTENT OF STRING1 AND
.DATA
STRING1 DB 'HELL1'
STRING2 DB 'HELLO', '$'
STRING3 DB 'SAME', '$'
STRING4 DB 'NOT THE SAME', '$'
                                                         norbe
                                                                                         STRING2
                                                                                         AND FINAL OUTPUT
                                                                                         NOTE: CHANGE THE CONTENT OF
CODE
MOU AX, CDATA
MOU DS, AX;
MOU ES, AX;
LEA SI, STRING1
LEA DI, STRING2
                                                                                         STRING1 IF NECESSARY TO DISPLAY
                                                                                         EITHER "SAME" OR "NOT THE SAME"
                                                                                         Content of String 1:
CLD
MOU CX,5
REPE CMPSB
JE HEY
                                                                                           STRING1 DB 'PADUADA'
                                                                                         Content of String 2:
HELLO:
MOU AX, @DATA
MOU DS, AX
MOU AH, 09
MOU DX, OFFSET STRING4
INT 21H
JMP EXIT
                                                                                         STRING2 DB 'PADUUDA', '$'
                                                                                         Final output (for not the same):
                                                                                            01 .MODEL SMALL
02 .DATA
03 STRING1 DB 'PADUADA'
04 STRING2 DB 'PADUUDA', '$'
HEY:
MOV AX, EDATA
MOV DS, AX
MOV AH, 09
MOV DX, OFFSET STRING3
INT 21H
                                                                                            66 emulator screen (80x25 chars)
                                                                                           NOT THE SAME
                                                                                         Final output (for same):
EXIT:
MOU AH,04CH
INT 21H
                                                                                          01 .MODEL SMALL
                                                                                                DATA
                                                                                          03 STRING1 DB 'PADUADA'
04 STRING2 DB 'PADUADA', '$'
                                                                                            60x25 chars)
                                                                                           SAME
```