U19CS076 MIT ASSIGNMENT-4

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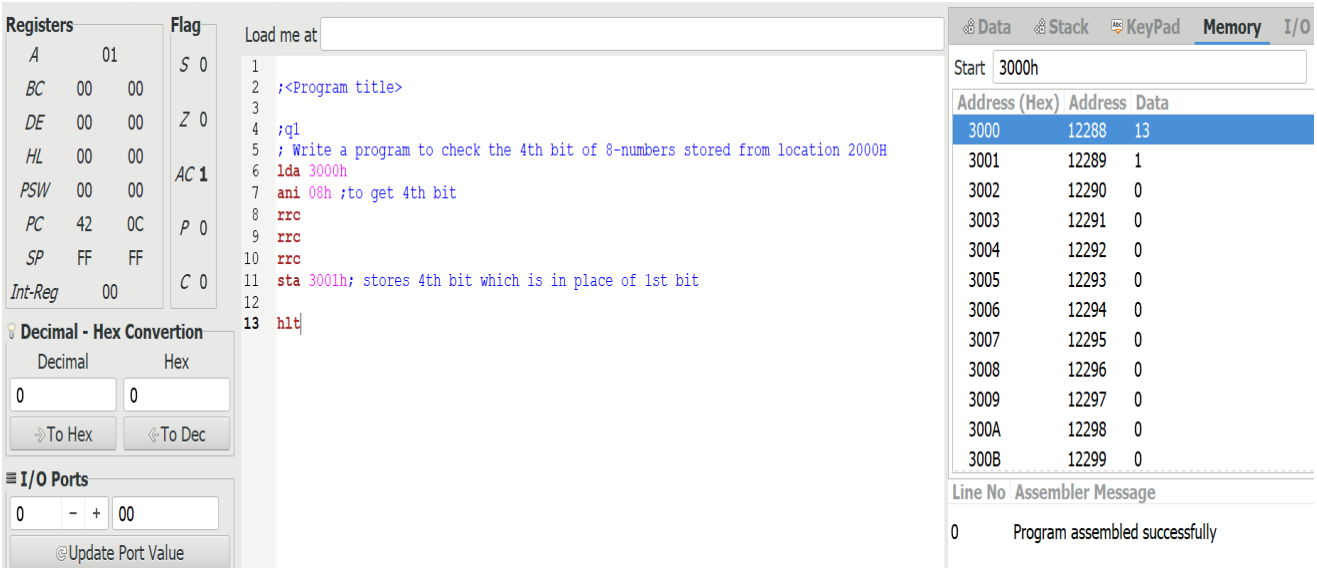
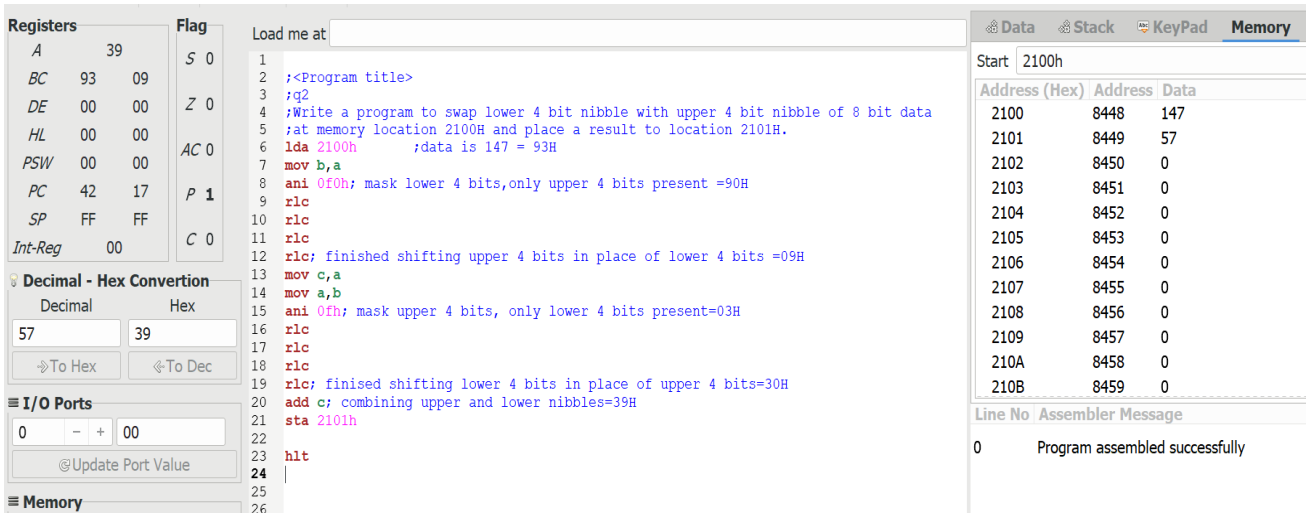
Q1.Write a program to check the 4th bit of 8-numbers stored from location 2000H.

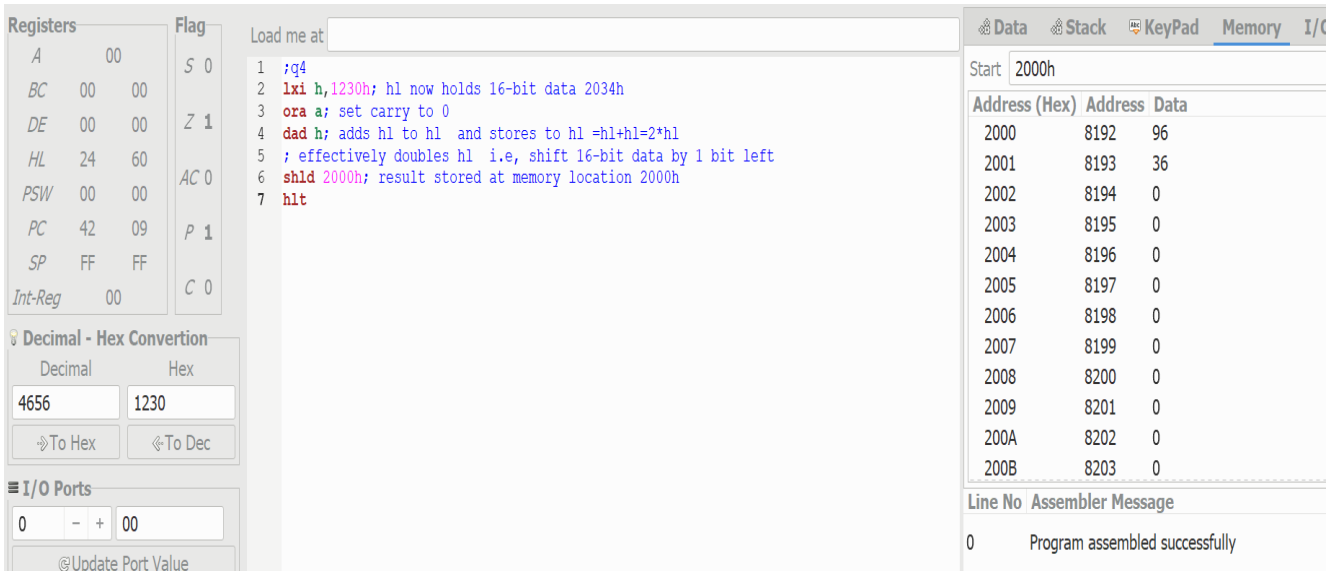


Q2. Write a program to swap lower 4 bit nibble with upper 4 bit nibble of 8 bit data at memory location 2100H and place a result to location 2101H.

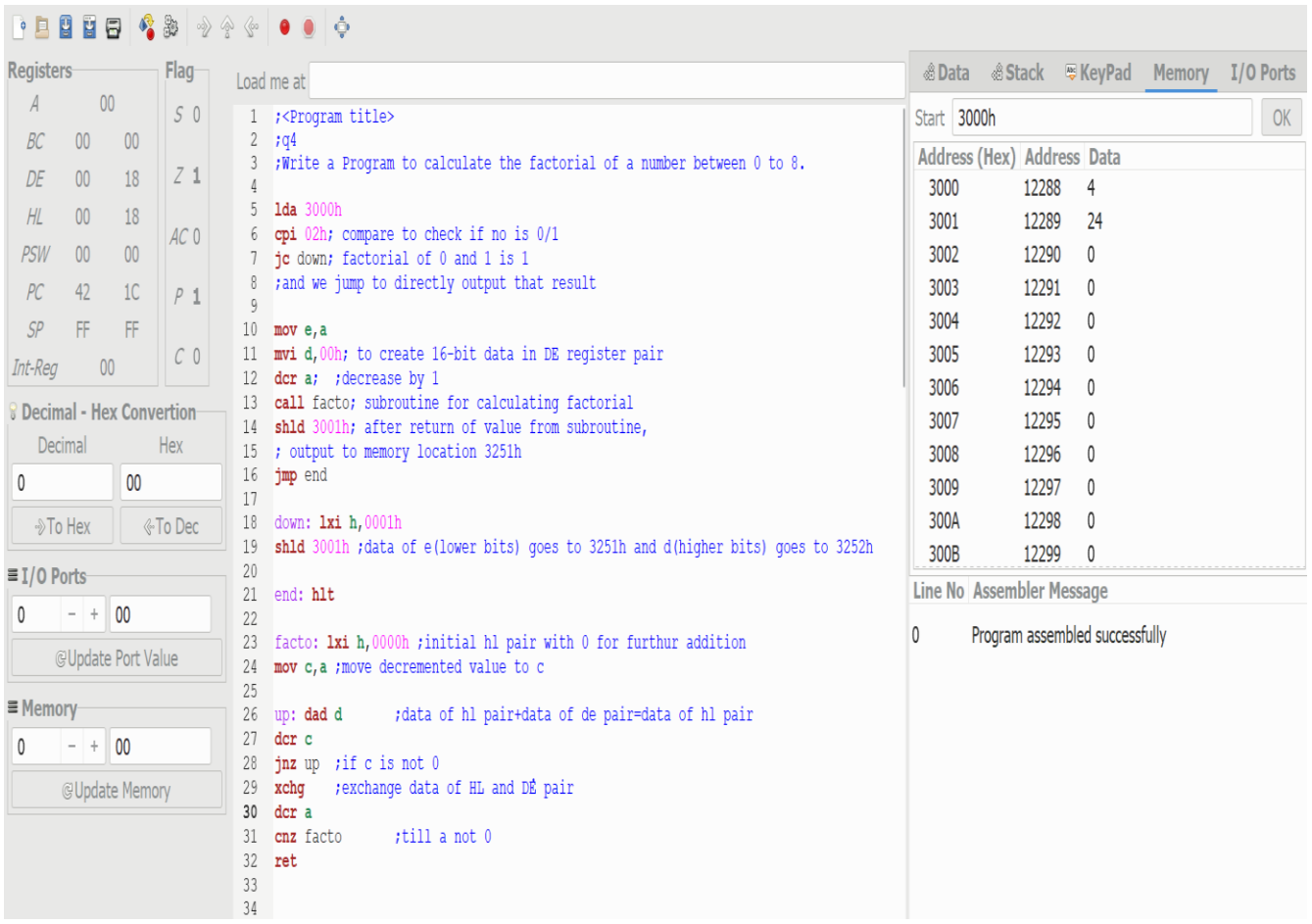


Input -

Q3. Write a Program to shift a 16-bit data 1 bit left. Assume data is in the HL register pair



Q4. Write a Program to calculate the factorial of a number between 0 to 8.



Data | Stack | KeyPad | **Memory** | I/O Ports

Start 3000h OK

Address (Hex)	Address	Data
3000	12288	8
3001	12289	128
3002	12290	157
3003	12291	0
3004	12292	0
3005	12293	0
3006	12294	0
3007	12295	0
3008	12296	0
3009	12297	0
300A	12298	0
300B	12299	0

Line No	Assembler Message
0	Program assembled successfully

Q5. Write a program to Split 8 bit HEX data into two nibbles and store it in memory.