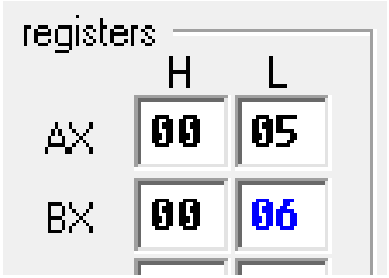
Lab Tasks

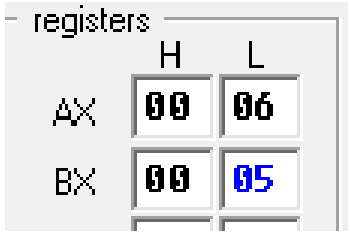
Task: 1

- Suppose the register ax = 5, bx =6, Swap the numbers of ax and bx so that ax gets 6 and bx gets 5. use the concept of Stack. Push and Pop instructions must use.

- Before Swap:



- After Swap :



Lab Tasks

Task: 2

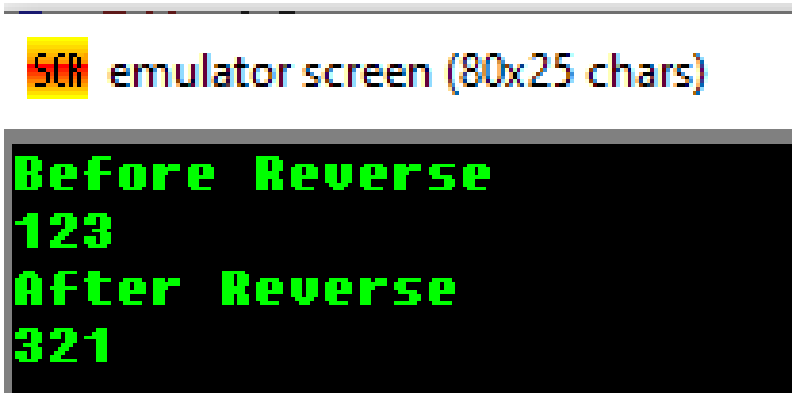
- Suppose that **AX= 1234h**, **BX= 5678h**, **CX = 9ABCh**, and **SP= 1 00h**. Write an assembly program to find out the contents of **AX**, **BX**, **CX**, and **SP** after executing the following instructions:

```
PUSH AX
PUSH BX
XCHG AX,CX
POP          CX
 PUSH AX
POP BX
```

Lab Tasks

Task: 3

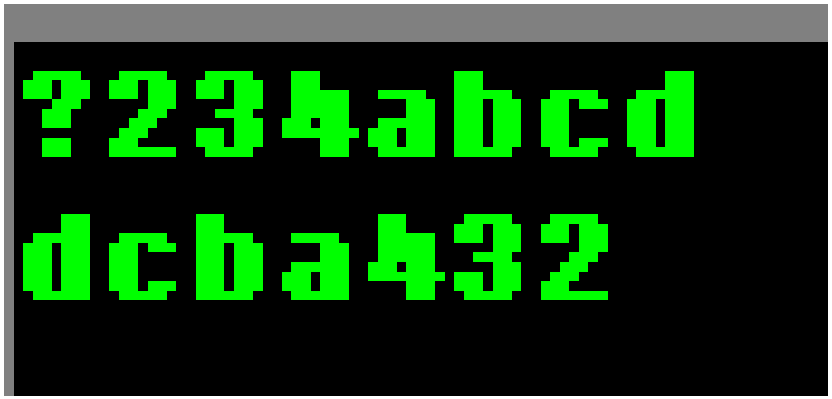
- Reverse three characters 123, output should look like as follows: Hints, use the concept of push and pop.



Lab Tasks

Task: 4

- Take a string from user. Once user hits enters reverse the string given by the user. Must take input from user. Hints: Use the concept of push and pop.



Lab Tasks

Task: 5

- write a procedure named sub that subtract the variables and show print the value.

  Enter two values: 42

  Result: 2