**TASK # 06:**

**Suppose that AX=1234h ,BX=5678h, CX=9ABCh, and SP=0100h . Give 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**

Initial: AX=1234h BX=5678h CX=9ABCh SP=0100h

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | AX | BX | CX | SP |
| **PUSH AX** | 1234 | 5678h | 9ABCh | 00FE |
| **PUSH BX** | 1234 | 5678h | 9ABCh | 00FC |
| **XCHG AX,CX** | 9ABCh | 5678h | 1234h | 00FC |
| **POP CX** | 9ABCh | 5678h | 5678h | 00FE |
| **PUSH AX** | 9ABCh | 5678h | 5678h | 00FC |
| **POP BX** | 9ABCh | 9ABCh | 5678h | 00FE |