STEPS TO RUN THE CLOCK

The complete code for all the parts is written in clock.asm file (which includes single alarm and 24hr format time). To change 24 hr time to 12 hr change '24' to '12' in line 65 of the code.

BASIC STEPS

1. Select the type of operation, 8 bit or 16 bit. Run the asm code correponding to the required operation.
2. Open command prompt and convert the asm code to hex code by writing the following command:

   c16 –h clock.hex -l clock.lst clock.asm

3. Now open x85.exe and download the asm code by entering the hex file name and pressing Ctrl+D. After that, a window will appear where you have to enter hex file name and starting address of code, which is ***9000H*** in this case. Make sure than in the board you have pressed the switch number 4 to the right which can be verified as the display will be showing **SERIAL**.
4. After code is downloaded, press the switch number 4 to the left.

CLOCK AND ALARM

1. First fill the time at which you want to set the alarm in address field of display. (Ex: 1057 which means 10:57). Then press Next
2. Now enter the time at which you want to start the clock. (Ex: 1056 would mean clock starts at 10:56:00)
3. When it is time for alarm, the screen will show a customized display **'CLOC'** for 5 seconds and after that clock would keep on running (we have only implemented single alarm). If you don't want alarm, just keep alarm to 25:00 as clock would never reach it.