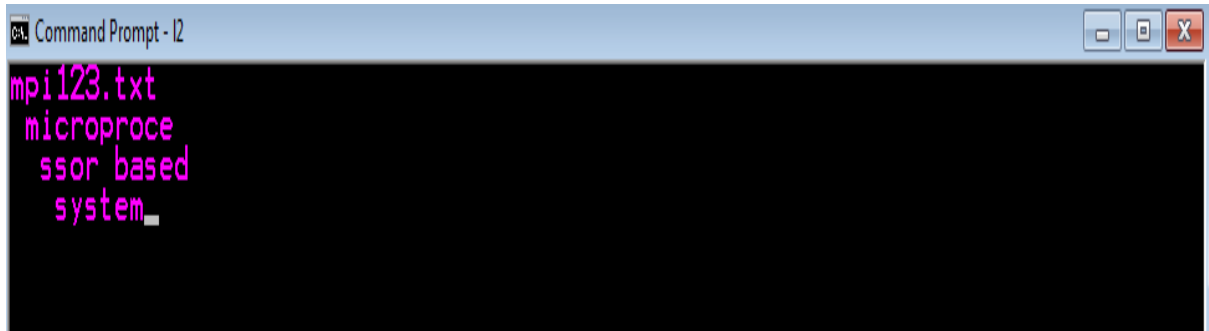


Write an ALP that does the following

- (1) Enters Text Mode
- (2) Allows user to enter data – data, user enters must appear on screen with a black background and a magenta foreground.
- (3) Only 10 characters must be displayed per row. Once 10 user characters have been taken and displayed cursor must be moved to next row – 2<sup>nd</sup> column. Every row display must be offset to the right by one column with respect to previous row. See Screen shot below



- (4) Current mode of display terminates when user enters 40 characters or if he presses enter (whichever occurs first).
- (5) Display returns to previous mode.
- (6) You have to create a file – name of the file is the first 10 characters entered by the user for e.g. if the first ten characters entered by user is abc123.txt name of file is abc123.txt. In the screen shot name of file is mpi123.txt.
- (7) The rest of the characters must be copied into a single row in the file. Data in the file mpi.txt (as shown in screen shot) will be in a single row as **microprocessor based system**