Task1. Implement a 'dual-window' editor. The screen should be divided into two equal divisions. You may choose to split the screen horizontally or vertically. The first half must have a background colour of blue and foreground of yellow. The second half must have a background of white and a foreground of bright green. Use video mode 3. As the user types in characters on the keyboard, they must be simultaneously displayed on both the halves. If the user types '$#', then the program must terminate and it must return to the previous video mode.

Task2. Draw a rectangle (lines red in colour) of area 100x80 pixels with top left corner of the rectangle at pixel position (80, 70). Use video mode 12h

Task3. Display the following pattern on the top left of the screen. The area of the outermost rectangle is 150 x 250