Ex. No. 2   **Simulation of a Keyboard**   **Deadline: 6/9/2023**

Create an Android mobile application which simulates a virtual keyboard with following features use intents to navigate between multiple activities.

   a. Use Grid Layout with each cell containing individual characters / numbers / special characters
   b. A TextView (multiple lines) to display the typed content.
   c. Design the keyboard as shown in Fig. 1.

Fig. 1

   d. On press number key toggle to digits and special character view as in Fig. 2.

Fig. 2

   e. On pressing each symbol, display the corresponding character in the textview.
   f. On pressing enter, move to newline in textview.
   g. On pressing backspace, erase a character in the textview.
   h. On pressing spacebar button provide single space

Additional:
On press Up arrow, toggle between uppercase and lowercase letters.