WIRED EVENT

General instructions:

- The submission of this task needs to be done in the form of a report on the official Prometeo website.
  Website link: https://prometeo.in/events/technical/8/
- The file must contain the screenshot of the circuit developed and codes for all the questions properly numbered.
- Participants are required to add the link to the Tinkercad design in the report.
- Participants are encouraged to properly document their work.
- Participants are allowed to use the components of their choice. But they must strictly adhere to the problem given.
- Before using the component it is advisable to go through the datasheet of the particular component to be aware of its current and voltage requirements.
- The competition will be live from 5 PM.
- The name of the project should be "**Your-Name_Final-Round**"

FINAL ROUND PROBLEM STATEMENT:

Combinational locks have existed for decades and they are still found in many products (like briefcases, Lockers, etc.).

- Your task is to build a combinational lock using pushbuttons and an LCD interface.
- There should be 6 push buttons each with an LED. When the button is pressed, the LED must glow.
- Also, add a reset button. This button will reset the present password and will generate a new password randomly.
- Initially, the message should be printed on LCD to enter the password.
- If the entered password is correct, then print “correct password” on the LCD screen.
- If the entered password is incorrect, then print “incorrect password…Try again” on the LCD screen.