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With Deep Reverence,

Rutuja Deshmukh

ABSTRACT

This Java program is an Electronic Voting Machine (EVM) simulation designed for a fictional Parliament election, allowing users to cast votes for five candidates and a NOTA (None of the Above) option. The program presents a main menu with three options: voting, result calculation, and exit. In the voting process, users are shown a candidate list and prompted to enter their choice, with votes being recorded and stored in an array. Users can vote multiple times or choose to return to the main menu. If a user selects the option to calculate results, the program generates a 6-digit CAPTCHA for security, which must be entered correctly to view the results. After verification, the program displays the total vote count for each candidate, including NOTA, and then exits. The CAPTCHA feature is designed to prevent unauthorized access to the election results, ensuring a secure voting experience in this simulated environment. This simple EVM model provides an accessible way to cast and count votes, handling invalid entries and allowing users to verify their actions within the election process.

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