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Prisoner Transfer Eligibility Calculator

This project aims to simulate a sentencing calculator that estimates when a prisoner becomes eligible for transfer to an open prison based on their crime under Turkish Crime Law. The program is a simplified version based on certain assumptions, such as only addressing first-time offenders .The goal is to create a tool that makes legal information more accessible and helps users better understand sentencing and transfer timelines.

The program takes user input for the prisoner's age, the crime committed, the length of the sentence, and the number of warnings received for behavioral conduct. It checks that the age is within a valid range (18-90 years), verifies the crime against predefined lists for first-degree and second-degree offenses, and ensures that the number of warnings is valid. Based on these inputs, it calculates the time required to be served in a closed prison and the remaining time in an open prison.

The solution incorporates multiple programming concepts:

- If statements check the validity of inputs, such as age, the crime's presence in the lists, and eligibility for transfer based on the number of warnings received.
- While loops ensure proper input validation, prompting the user until acceptable data is provided for each required field.
- Functions modularize the code, breaking the problem into smaller, manageable parts, such as calculating eligibility based on crime degree and user behavior.
- Lists categorize crimes into first-degree and second-degree offenses, allowing the program to verify the crime type entered by the user.
- Additionally, the program includes a check for the number of warnings received for behavioral conduct. If the user enters a number of warnings that exceeds the predefined limit, it affects their eligibility for transfer, emphasizing the importance of good behavior during incarceration.

The primary challenge was handling diverse user inputs effectively, ensuring that each entry was valid and meaningful for accurate calculations. Structuring the program to address different possible scenarios while maintaining simplicity was essential for providing a smooth user experience.

This project represents a simplified approach to sentencing calculations based on general assumptions, such as considering only first-time offenders. However, if the program were further developed in collaboration with professionals in the legal field, it could evolve into a more sophisticated tool that increases public access to legal information. This would enable people to better understand sentencing outcomes and timelines, potentially making legal information more accessible and freely available to a wider audience.

The project successfully integrates programming concepts such as functions, conditionals, loops, and lists to solve a real-world problem. While it is currently a basic version, there is potential for further development in collaboration with legal experts to create a more comprehensive tool that provides valuable insights into legal processes.