https://github.com/hozannserhat/ECC108  
  
**Flashcard App Code Report**

Using Tkinter: Tkinter is a standard library in Python for creating Graphical User Interface (GUI) applications. In this code, tkinter library is utilized to create a main window (root).

FlashcardApp Class: This class is used to manage the flashcard application within the tkinter window. The \_\_init\_\_ method initializes the application by creating necessary components and configuring the window.

Flashcard Data: The questions and answers for flashcards are stored in a Python dictionary. Each question is stored as a key and each answer is stored as a value.

GUI Components: User interface is designed using tkinter components such as Labels, Entry widgets, and Buttons. The interface displays questions to the user, provides an area for entering answers, and offers a button for answer checking.

Displaying Questions: The show\_flashcard method facilitates displaying the current flashcard. If all flashcards have been shown, the user is notified using a message box.

Answer Checking: The user's input answer is checked using the check\_answer method. The correctness is determined by comparing the provided answer with the correct one, and feedback is shown to the user.

Displaying Previous and Next Flashcards: Buttons are provided for the user to view previous or next flashcards. These functionalities are implemented through the show\_previous\_flashcard and show\_next\_flashcard methods.

Main Function: The main function initiates the application. It creates a tkinter window and runs the application by creating an object from the FlashcardApp class.

The overall structure and rules of the code:

It is written in the Python language.

GUI is created using the tkinter library.

Classes and methods are used to modularize the code.

A dictionary is used for data storage.

User input is validated, and feedback is provided.

Basic error handling is implemented.

The main function is used to start the application.

Messagebox is used to provide feedback and information to the user.

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