

Project 26: Phonetic Alphabet Converter

Description

This project involves creating a phonetic alphabet converter that maps letters to their phonetic code words. The program reads a CSV file containing the NATO phonetic alphabet, constructs a dictionary for letter-to-code mapping, and then allows the user to input a word. The program converts each letter of the word into its corresponding phonetic code word and displays the result.

Key Technologies

- **Python:** Used for implementing the phonetic alphabet conversion logic and handling user input.
- **Pandas Library:** Utilized to read the CSV file containing the phonetic alphabet and manage data in a DataFrame.
- **Concepts Covered:** Dictionary operations, list comprehensions, and data frame manipulation.
- **Unique Features:** Converts user-input words into phonetic code words using a dynamically created dictionary from a CSV file.