

Project 40 - Quiz using Files

Description

This project generates quizzes for finding various countries capitals based on country data text file and the students number in the class. So initially it prompts for number of students and number of questions then based on that numbers it will generate quizzes and answers text files separately. This will randomize the order of questions so that each quiz will be unique and it will be impossible for anyone to crib answers from others. It is obvious that doing this by hand would be very a lengthy and time wasting. Fortunately, Python helps us.

Program performs followings.

1. Parses country_data.txt file into dictionary
2. Creates different quizzes based on the number provided by a user.
3. Creates multiple choice questions for each quiz in random order. The number of questions will be provided by a user.
4. Generates questions text files
5. Generates answers for each quizzes separately in text files.

Steps for development

Step 1 - Prompt for question and student numbers

TODO 1.1 - Ask from user the number of questions and the number of students in class

Step 2 - Parse country data text file in a Dictionary

TODO 2.1 - Create empty countries dictionary

TODO 2.2 - Open country_data.txt file

TODO 2.3 - Parse data in countries dictionary

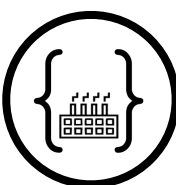
Step 3 - Create Question Files and randomize the questions

TODO 3.1 - Generate questions files based on number of students

TODO 3.2 - Write header for the quiz in questions text files

TODO 3.3 - Shuffle the order of countries based on random module

TODO 3.4 - Loop through number of questions and make a question for each



Step 4 - Create multiple options for answers and answer text files

TODO 4.1 - Get correct and wrong answers

TODO 4.2 - Generate answer options

TODO 4.3 - Randomize the answer options

Step 5 - Write content to questions and answers text files

TODO 5.1 - Write questions and answer options to questions text file

TODO 5.2 - Write correct answers to answers text file

Step 6 - Implement logic to delete all .txt files from current directory except
country_data.txt

