Quiz App

Purpose (Tier 1):

* Let user decide before taking the quiz if they want to see the answers they got wrong
* Simple version of google forms
* Lets you
  + Create quizzes (multiple choice or fill in the blank)
  + Automatically grades taken quizzes
    - Use pre-written answers
* Use command line for UI
* Use database to store quizzes and answers

Purpose (Tier 2):

* Admin decides whether quiz answers are available to user
* Use turtle to make GUI fancier for quizzes
  + Click on choice for multiple choice
* Introduces multiple users
  + Store responses to compare previous scores and scores of other users
  + Users would have unique usernames and passwords
* Ranking system for each quiz
  + Top score
  + Average score
  + Fastest time to complete quiz
* Friend function:
  + Compare quizzes taken
  + Suggest quizzes to take
* Background music
* Timer for quizzes
  + When time’s up, close quiz

Functionality of Tier 1 Implementation:

* Take a quiz:
  + UI would display questions one at a time
  + UI will prompt you to submit an answer
  + After all questions are answered, take list of responses and compare with stored correct answers
  + Display user’s score
  + Ask user whether they want to take quiz again
  + For now, just use simple text file with 1 quiz on it and answers to test functionality of taking a quiz mechanism
* How to make a quiz?
  + Make quiz object that has these attributes:
    - Title
    - Number of questions
* Database usage and interaction

Taking a Quiz Implementation

* Functions to (maybe) implement:
  + displayQuestions()
  + checkAnswers()
  + displayResults()
  + calculateScore()