

## Abstract

The Personalized Quiz Game is a Java-based console application that enables users to create, share, and participate in personalized quizzes. It provides an interactive platform where users can craft quizzes on various topics, participate by answering questions, and view their performance through a dynamically updated leaderboard. The system evaluates responses and records user scores, encouraging engagement and friendly competition. Built using core Java concepts, the application delivers a smooth and user-friendly experience through a menu-driven interface.

## Objectives

- To allow users to create personalized quizzes, fostering creativity and knowledge-sharing across different subjects.
- To enable users to take quizzes created by others, enhancing learning and engagement.
- To implement a dynamic leaderboard that tracks user scores in real-time, motivating competition and progress tracking.

## Features

1. **Quiz Creation:** Users can create personalized quizzes with multiple-choice questions, options, and correct answers.
2. **Quiz Participation:** Users can select and attempt available quizzes, with the system evaluating their responses.
3. **Leaderboard:** Scores are recorded, and the leaderboard displays user rankings based on quiz performance.
4. **User Experience:** A menu-driven interface ensures smooth navigation for creating, participating in quizzes, and viewing results.

## Keywords

- Personalized Quiz Game
- Console Application
- Quiz Creation
- Leaderboard
- Object-Oriented Programming
- Dynamic Scoring

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