

TECHNICAL GUIDE QUIZ MANAGER

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Introduction:

The aim of this project is to create an application which manages the preparation and execution of digital quiz, by performing the operations like Create, Read, Update and Delete on the questions from the BE.

- Read questions from the Database
- Update the questions in the Database from the BE
- Automatic mark evaluation system

Objectives:

The Quiz Manager Application handles student identity. The users can take the exam and at the end can view the result.

- Provide the quiz to the user
- Evaluate and display the result
- Store the user name and the score in the database

Scope and Limitation:

Scope:

- The application provides the user the facility to attend an exam,
 evaluate it and stores the name and mark of the user
- Automatic answer correction and mark display
- This quiz has both multiple choice and open questions

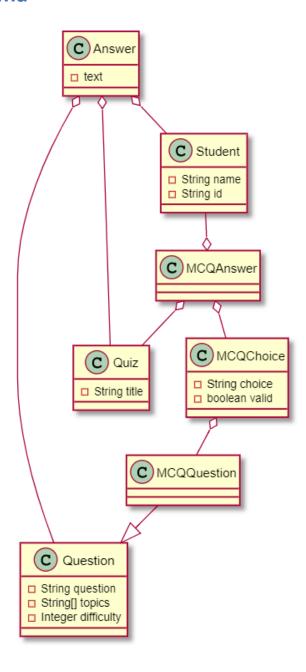
Limitation:

- Console application only
- No user validation

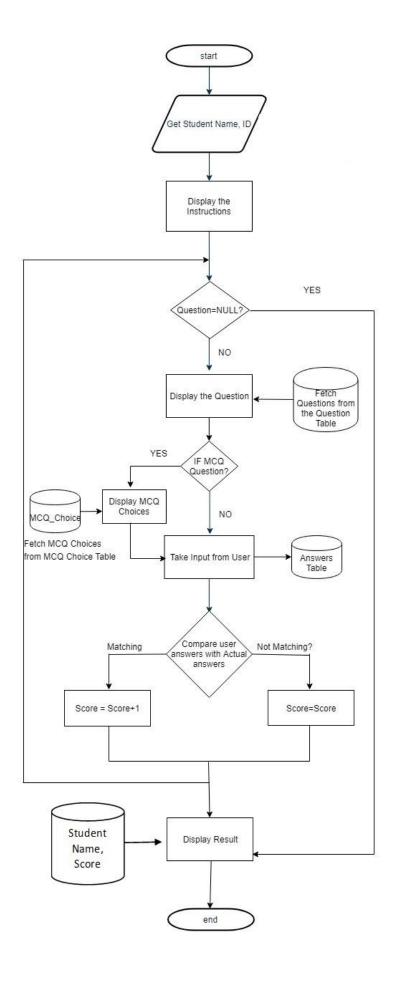
Software Requirements

Platform	Platform Independent
IDE	Eclipse version 4.9.0
JDK	JDK 1.8.0
Database	H2DataBase 1.2.197

Global Schema

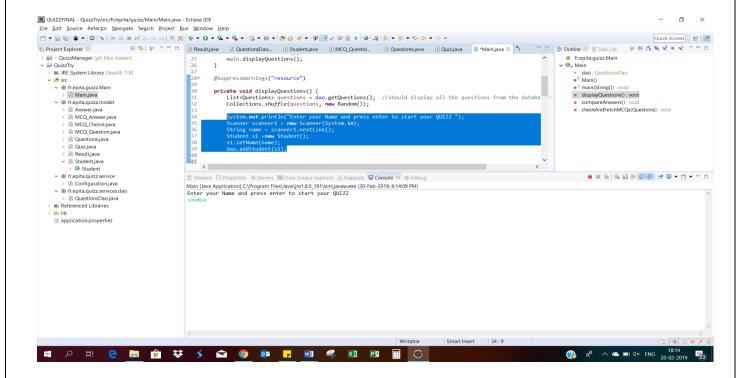


Flow Chart

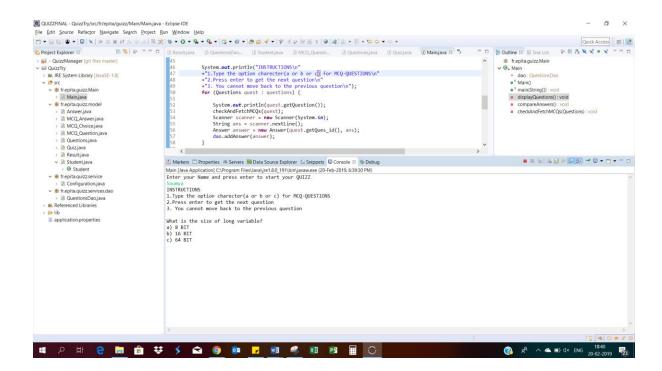


Console Application Operations

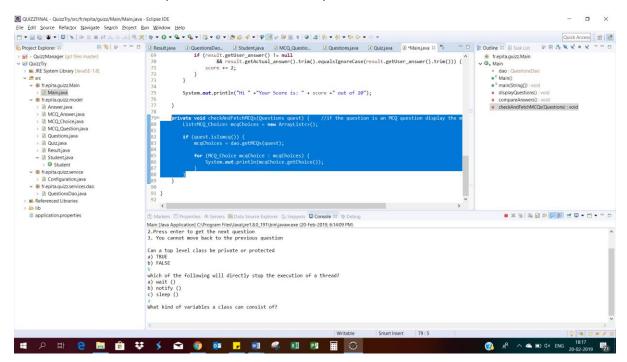
1. The Quiz Manager is a console-based application where anybody can take the quiz by entering their name. For every user who is taking the exam, the name and final marks will be stored in the database



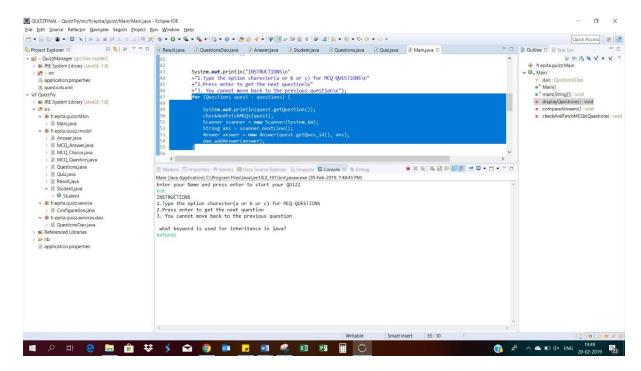
2.The user is notified with the "INSTRUCTIONS" for the exam for the user to follow



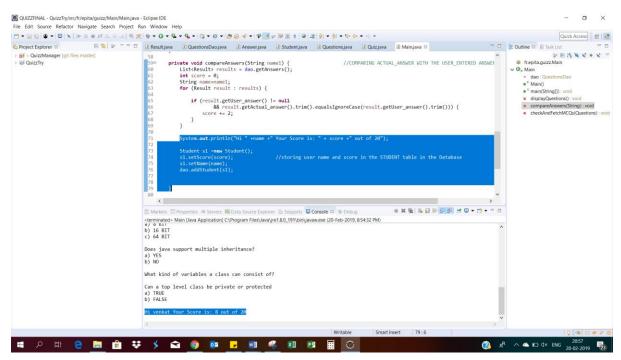
3. There are two types of questions MCQ and open choice. Every time we check whether the question is MCQ or Open choice



4. For the open choice questions, we are letting the user to enter the open text answers



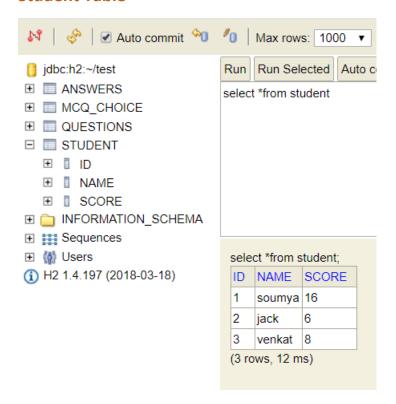
5.Once the quiz is taken, the answers are evaluated and result is displayed on the console and stored in the database along with the name



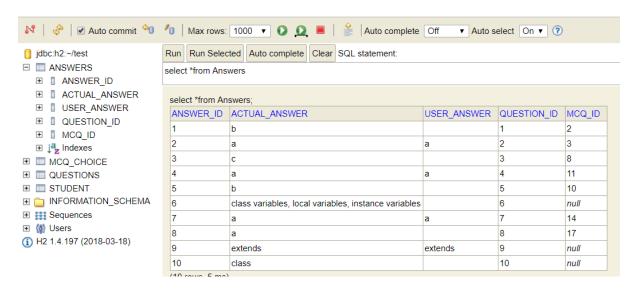
Database

We have created 4 tables - STUDENT, ANSWERS, MCQ_CHOICE and QUESTIONS in the DB.

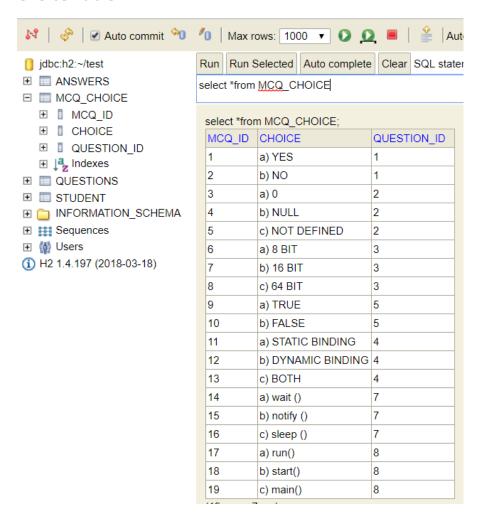
Student Table



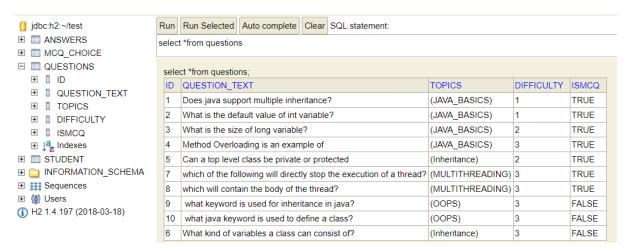
Answer Table



Choice Table



Questions Table



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- https://www.javacodeexamples.com
- https://www.jetbrains.com/help/idea/working-with-code-documentation.html
- http://h2database.com/html/main.html
- https://www.codecademy.com/