Interactive Course on ADVANCED JAVA

PROJECT GUIDE:
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Abstract:

An interactive course on Java Advanced would typically cover advanced topics in the Java programming language, such as object-oriented programming, multithreading, networking, and more. The course would likely be designed for individuals who already have a basic understanding of Java and want to take their skills to the next level.

The course would likely be interactive, with a mix of lectures, hands-on exercises, and programming assignments. Participants may also be encouraged to work on projects in small groups or individually, and there may be opportunities for feedback and collaboration.

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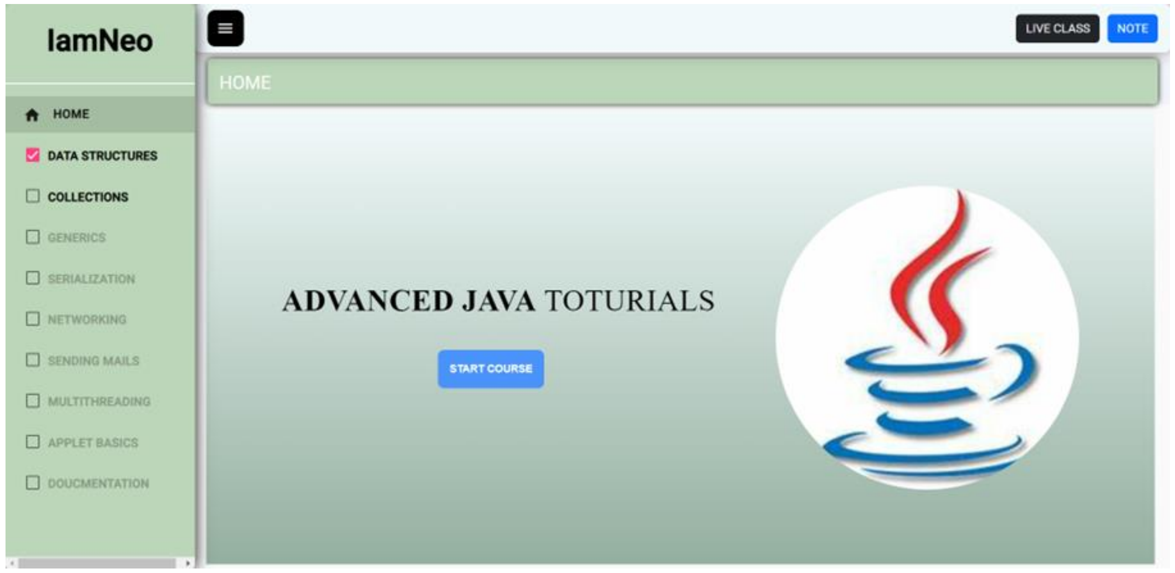
Objectives:

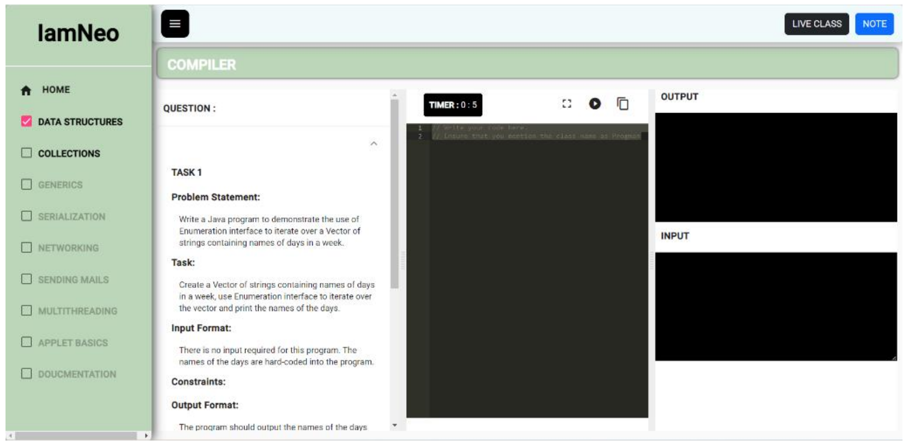
- To provide students with a strong foundation in the fundamentals of Java Advanced.
- To help students understand the core concepts of Java Advanced programming language.
- To introduce students to the most common Topics related to Java Advanced like Data structures, collections, generics, serialization, networking….etc
- To teach students how to implement and use advanced topics in Java.



Proposed Work:

The course will consist of several modules, each focusing on a specific data structure. Each module will contain the following components

- An introduction to Java Advanced and its applications.
- An example problem, where students will apply Java to solve a real-world problem.
- Exercises and quizzes to help students practice and reinforce their learning.



QUESTION :

TASK 1

Problem Statement:

Write a Java program to demonstrate the use of Enumeration interface to iterate over a Vector of strings containing names of days in a week.

Task:

Create a Vector of strings containing names of days in a week, use Enumeration interface to iterate over the vector and print the names of the days.

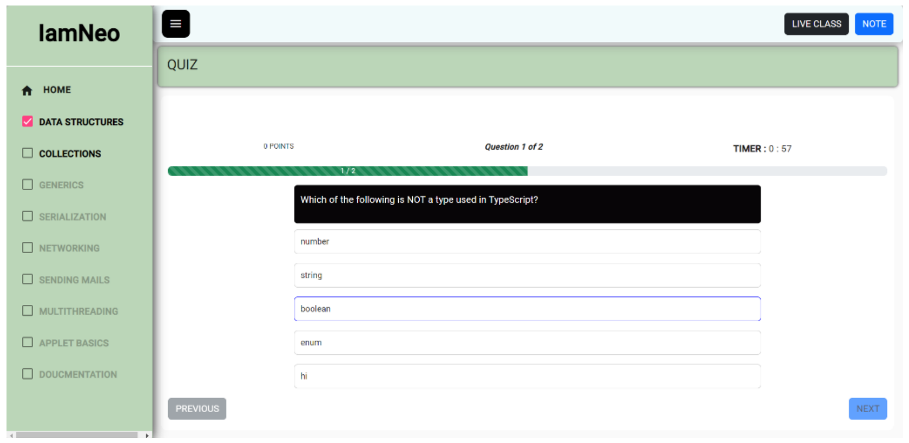
Input Format:

There is no input required for this program. The names of the days are hard-coded into the program.

Constraints:

Output Format:

The program should output the names of the days



Which of the following is NOT a type used in TypeScript?

number

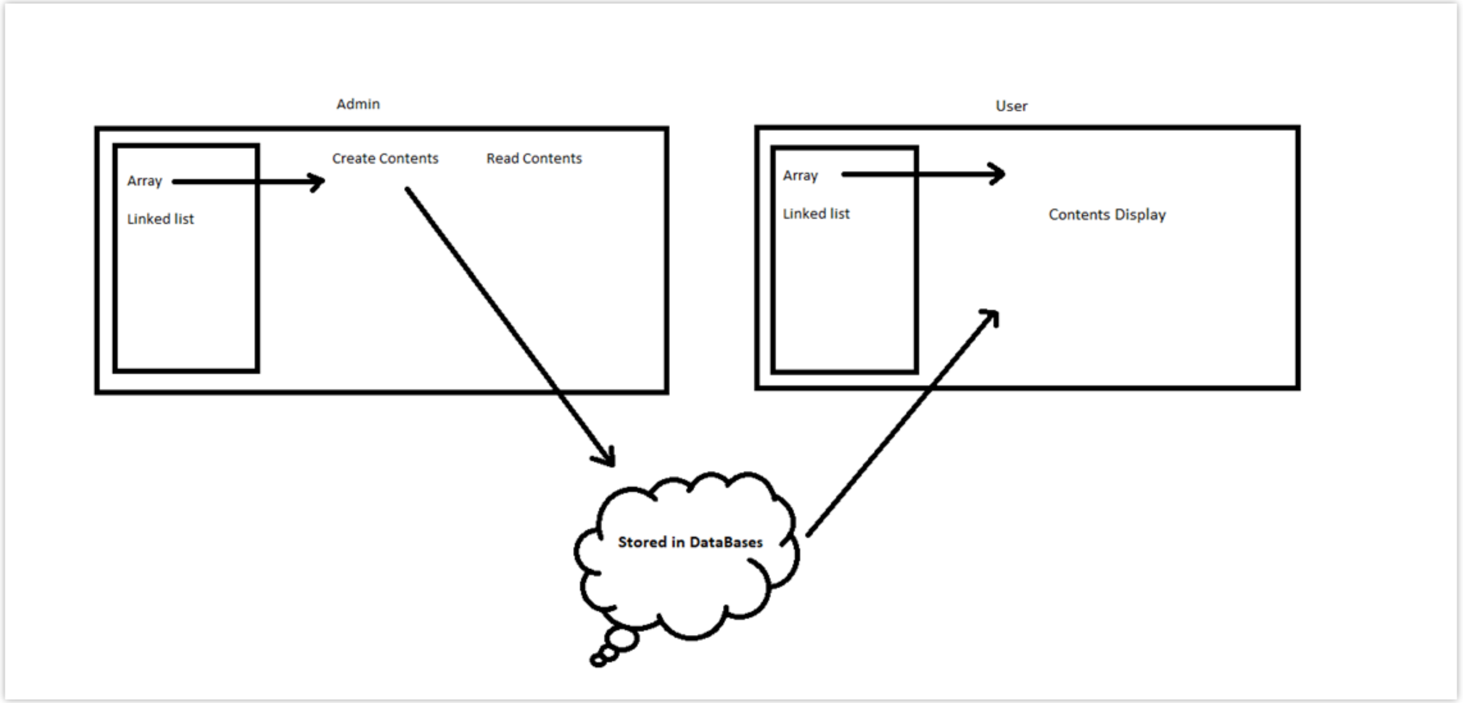
string

boolean

enum

hi

Flow Chart


Admin
Create Contents
Read Contents
Array
Linked list
User
Array
Linked list
Contents Display
Stored in DataBases

Front End

Angular

Bootstrap

- Bootstrap is the most popular CSS Framework for developing responsive and mobile-first websites

HTML

- it is a standard markup language used to create and design web pages.

CSS

- You can completely change the look of your website with only a few changes in CSS code.

TypeScript

- TypeScript is a strongly typed programming language that builds on JavaScript

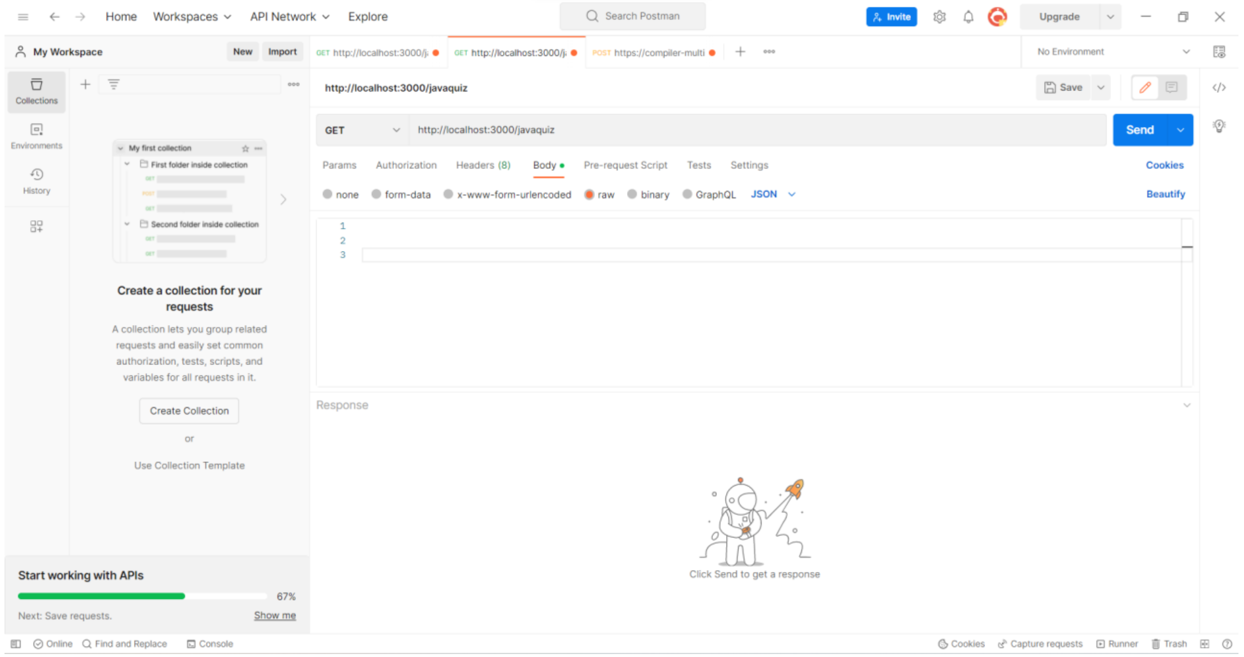
Backend End

Node.js

- Node.js is an open-source server environment
- It is free
- It runs on various platforms (Windows, Linux, Unix, Mac OS X, etc.)
- It uses JavaScript on the server

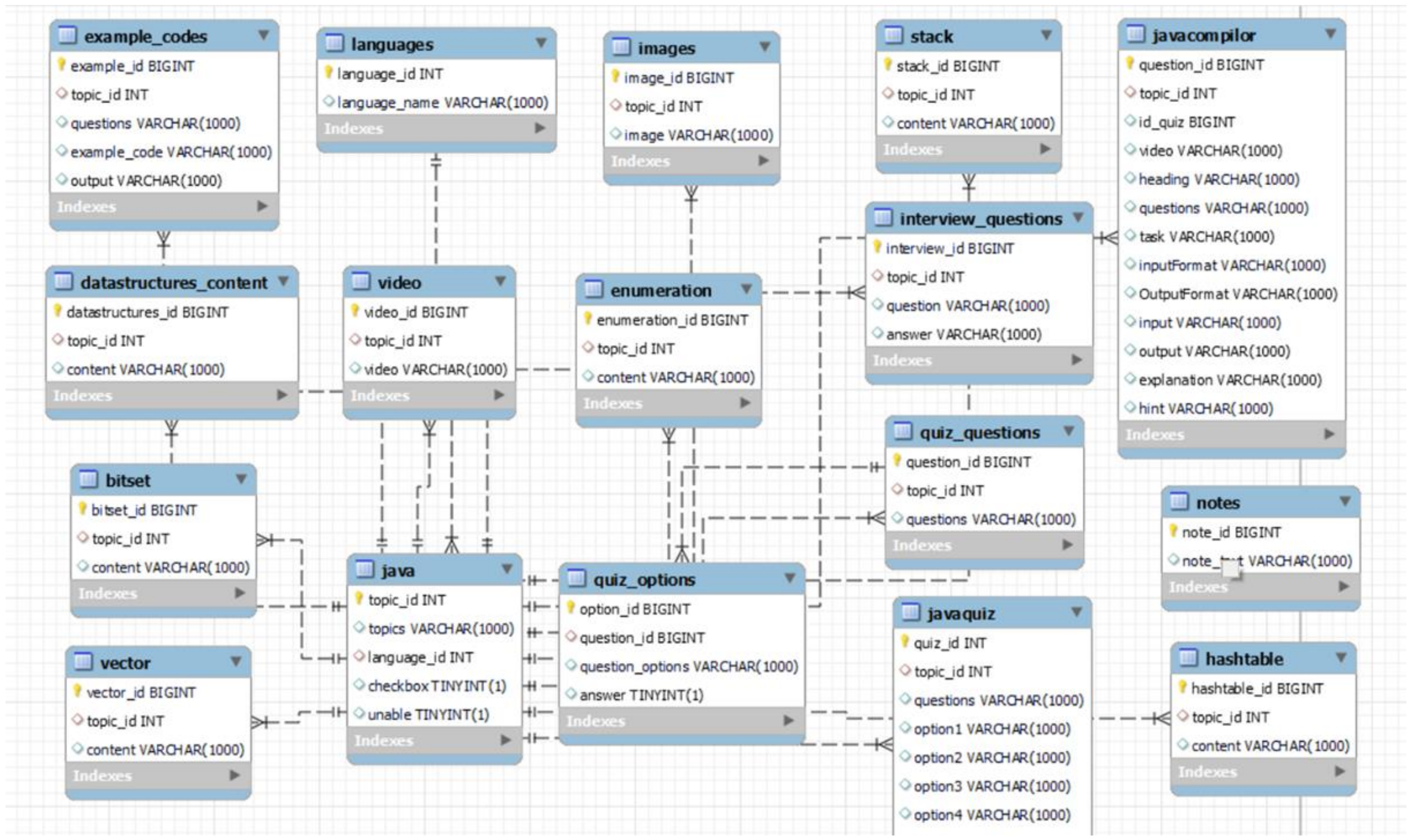
Postman (For Checking Response)

- Postman is an API platform for building and using APIs.



Data Base

MY SQL :



Conclusion

In conclusion, an interactive course on Java Advanced is an excellent way to equip students with the knowledge and skills they need to succeed in the field of computer science. The objectives of the course are to provide students with a strong foundation in the fundamentals of Java Advanced, help them understand the core concepts of the Java Advanced programming language, and introduce them to the most Advanced data structures.