## 📝 **Online Quiz System – Project Report**

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### 📘 Subject: English

### 📅 Year: 2025

## 📌 **Project Title**

**Online Quiz System**

## 🎯 **Objective**

The main objective of this project is to build a simple Java-based console application that can conduct a quiz with multiple-choice questions (MCQs). It allows users to answer questions one by one and receive a final score at the end. This project helps in understanding basic concepts of Java such as arrays, loops, conditionals, and user input handling.

## 🛠️ **Technologies Used**

* Java Programming Language
* Java Development Kit (JDK)
* Command Line Interface (CLI)

## 👩‍💻 **Features**

* Displays multiple-choice questions
* Takes user input for answers
* Evaluates and displays the final score
* Simple and easy-to-use interface

## 📋 **Project Code**

import java.util.Scanner;

public class QuizApp {

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

String[] questions = {

"1. What is the capital of India?\nA. Delhi\nB. Mumbai\nC. Kolkata\nD. Chennai",

"2. Who is the President of India (2024)?\nA. Narendra Modi\nB. Droupadi Murmu\nC. Ram Nath Kovind\nD. Amit Shah",

"3. Which planet is known as the Red Planet?\nA. Earth\nB. Venus\nC. Mars\nD. Jupiter",

"4. Which is the largest ocean in the world?\nA. Atlantic\nB. Indian\nC. Arctic\nD. Pacific",

"5. Who wrote the Indian National Anthem?\nA. Rabindranath Tagore\nB. Bankim Chandra\nC. Mahatma Gandhi\nD. Subhash Chandra Bose",

"6. How many players are there in a cricket team?\nA. 10\nB. 11\nC. 9\nD. 12",

"7. What is the chemical symbol for water?\nA. O2\nB. CO2\nC. H2O\nD. NaCl",

"8. Which state is known as the 'Land of Five Rivers'?\nA. Punjab\nB. Haryana\nC. Bihar\nD. Rajasthan",

"9. Who discovered gravity?\nA. Newton\nB. Einstein\nC. Edison\nD. Galileo",

"10. What is the currency of Japan?\nA. Yuan\nB. Won\nC. Yen\nD. Ringgit",

"11. What is the national animal of India?\nA. Lion\nB. Elephant\nC. Tiger\nD. Deer",

"12. Which gas is essential for us to breathe?\nA. Carbon dioxide\nB. Oxygen\nC. Nitrogen\nD. Hydrogen",

"13. Who was the first Prime Minister of India?\nA. Mahatma Gandhi\nB. Subhash Chandra Bose\nC. Nehru\nD. Patel",

"14. Which organ purifies our blood?\nA. Heart\nB. Liver\nC. Kidney\nD. Lungs",

"15. What is the hardest substance in the human body?\nA. Bone\nB. Tooth enamel\nC. Skull\nD. Cartilage",

"16. How many continents are there in the world?\nA. 5\nB. 6\nC. 7\nD. 8",

"17. Which Indian state has the longest coastline?\nA. Tamil Nadu\nB. Gujarat\nC. Kerala\nD. Maharashtra",

"18. Which planet is closest to the Sun?\nA. Venus\nB. Earth\nC. Mercury\nD. Mars",

"19. What is the boiling point of water?\nA. 90°C\nB. 80°C\nC. 100°C\nD. 110°C",

"20. What is the national sport of India?\nA. Cricket\nB. Hockey\nC. Football\nD. Kabaddi"

};

char[] answers = {

'A','B','C','D','A','B','C','A','A','C',

'C','B','C','C','B','C','B','C','C','B'

};

int score = 0;

for (int i = 0; i < questions.length; i++) {

System.out.println(questions[i]);

System.out.print("Your answer: ");

char userAns = sc.next().toUpperCase().charAt(0);

if (userAns == answers[i]) {

score++;

}

}

System.out.println("You scored: " + score + "/" + questions.length);

}

}

## ✅ **Conclusion**

This project demonstrates how Java can be used to build simple, interactive console-based applications. It helps in developing coding logic, handling user input, and working with arrays and loops.