

## EXPERIMENT 9

### Aim :

Write a program to display 10 random Questions out of 50 Questions in experiment 8 (do not display the answers of these questions to the user).

### Code :

```
import java.io.*;
import java.util.*;

public class RandomQues {
    BufferedReader bufReader;
    ArrayList<String> listOfLines,randLines;

    public void list() {
        listOfLines = new ArrayList<>();
        randLines = new ArrayList<>();

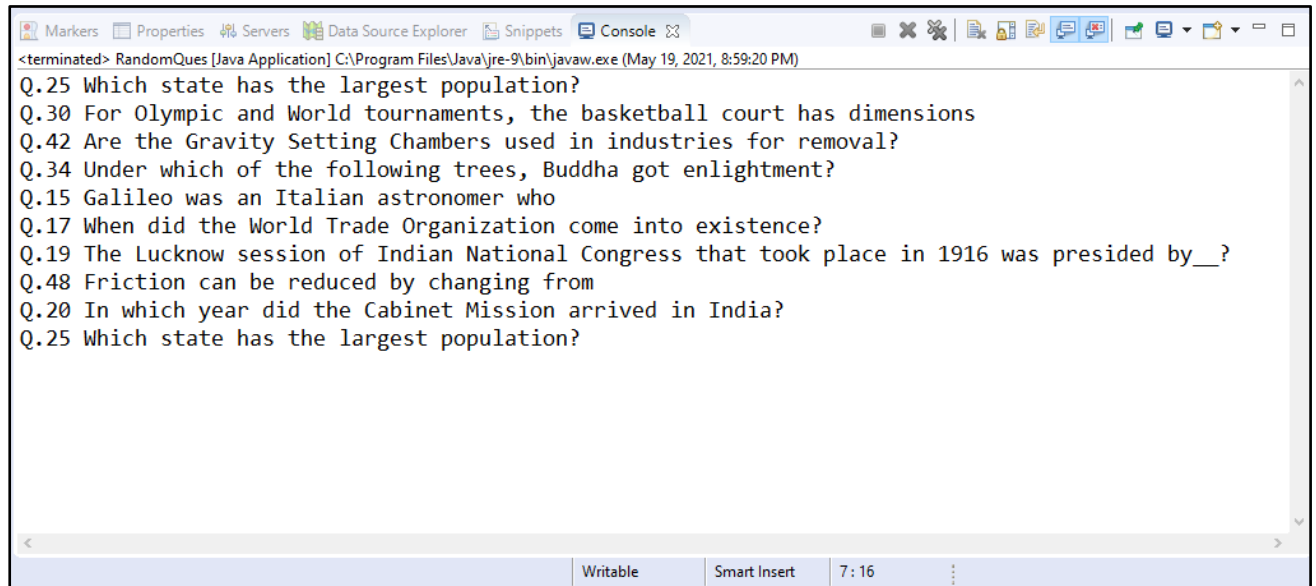
        try {
            bufReader=new BufferedReader(new FileReader("C:\\Users\\Aftab7\\ques.txt"));
            String line = bufReader.readLine();
            while (line != null) {
                listOfLines.add(line);
                line = bufReader.readLine();
            }
            bufReader.close();
        } catch (IOException e) {
            e.printStackTrace();
        }

        for (int i = 0; i < listOfLines.size(); i++) {
            int index = (int)(Math.random() * listOfLines.size());
            randLines.add(listOfLines.get(index));
        }

        for(int i = 0; i < 10; i++) {
            System.out.println(randLines.get(i));
        }
    }

    public static void main(String[] args) {
        RandomQues rq = new RandomQues();
        rq.list();
    }
}
```

Output Screenshot :



The screenshot shows an IDE console window with the following text:

```
<terminated> RandomQues [Java Application] C:\Program Files\Java\jre-9\bin\javaw.exe (May 19, 2021, 8:59:20 PM)  
Q.25 Which state has the largest population?  
Q.30 For Olympic and World tournaments, the basketball court has dimensions  
Q.42 Are the Gravity Setting Chambers used in industries for removal?  
Q.34 Under which of the following trees, Buddha got enlightenment?  
Q.15 Galileo was an Italian astronomer who  
Q.17 When did the World Trade Organization come into existence?  
Q.19 The Lucknow session of Indian National Congress that took place in 1916 was presided by__?  
Q.48 Friction can be reduced by changing from  
Q.20 In which year did the Cabinet Mission arrived in India?  
Q.25 Which state has the largest population?
```

The IDE interface includes tabs for Markers, Properties, Servers, Data Source Explorer, Snippets, and Console. The status bar at the bottom shows 'Writable', 'Smart Insert', and '7:16'.