CHAPTER 1

1.1 <u>INTRODUCTION</u>

1.1.1 What is Quiz?

A **quiz** is a form of game or mind sport, in which the players (as individuals or in teams) attempt to answer questions correctly. It is a game to test your knowledge about a certain subject. In some countries, a quiz is also a brief assessment used in education and similar fields to measure growth in knowledge, abilities, and/or skills.

Quizzes are usually scored in points and many quizzes are designed to determine a winner from a group of participants – usually the participant with the highest score.

1.1.2 In Education

In an educational context, a quiz is usually a form of a student assessment, but often has fewer questions of lesser difficulty and requires less time for completion than a test.This use is typically found in the United States, Canada, the Philippines, and some colleges in India. For instance, in a mathematics classroom, a quiz may check comprehension of a type of mathematical exercise. Some instructors schedule a daily or weekly quiz ranging from five to thirty relatively easy questions for the purpose of having the students review their previous lessons before attending the next class. A "pop quiz" is a quiz that students are given no time to prepare for; they are simply surprised with it in class.

1.1.3 A Quiz can take the following forms:

- Multiple Choice: Boston University has a comprehensive website for writing multiple choice exams that require critical thinking.
- True/False: Provide an opportunity to assess students knowledge of facts.

- Short Answer: Allow for students to explain their understanding, while still covering a broad range of topics.

- Fill in the Blank: Measures the student's ability to recognize key words that are part of an important concept.

- Matching: Help determine student understanding in regards to how concepts are related. Most commonly used for words and definitions.

- Essay: Berkeley University of California provides a resource for writing and grading essays.

A quiz can be used for a various number of reasons ranging from vocabulary building, vocabulary testing, as a means of entry exams for either into a college or a job opening in a company, valuable feedback from customers, conducting surveys and many more.

CHAPTER 2

2.1 HARDWARE AND SOFTWARE REQUIREMENTS

2.1.1 Hardware Requirement Specification

| Computer Processor	Core i5
Processor Speed	2.3 GHz Processor
Hard Disk	400 GB or more
RAM	Min. 2GB

2.2.2 Software Requirement Specifications

Operating System : Windows 8

Front End : Java Swings

Back End : Oracle 11g

Documentation : Microsoft Office 2010

CHAPTER 3

3.1 ENTITY RELATIONSHIP DIAGRAM

An entity relationship diagram (ERD) shows the relationships of entity sets stored in a database. An entity in this context is a component of data. In other words, ER diagrams illustrate the logical structure of databases.
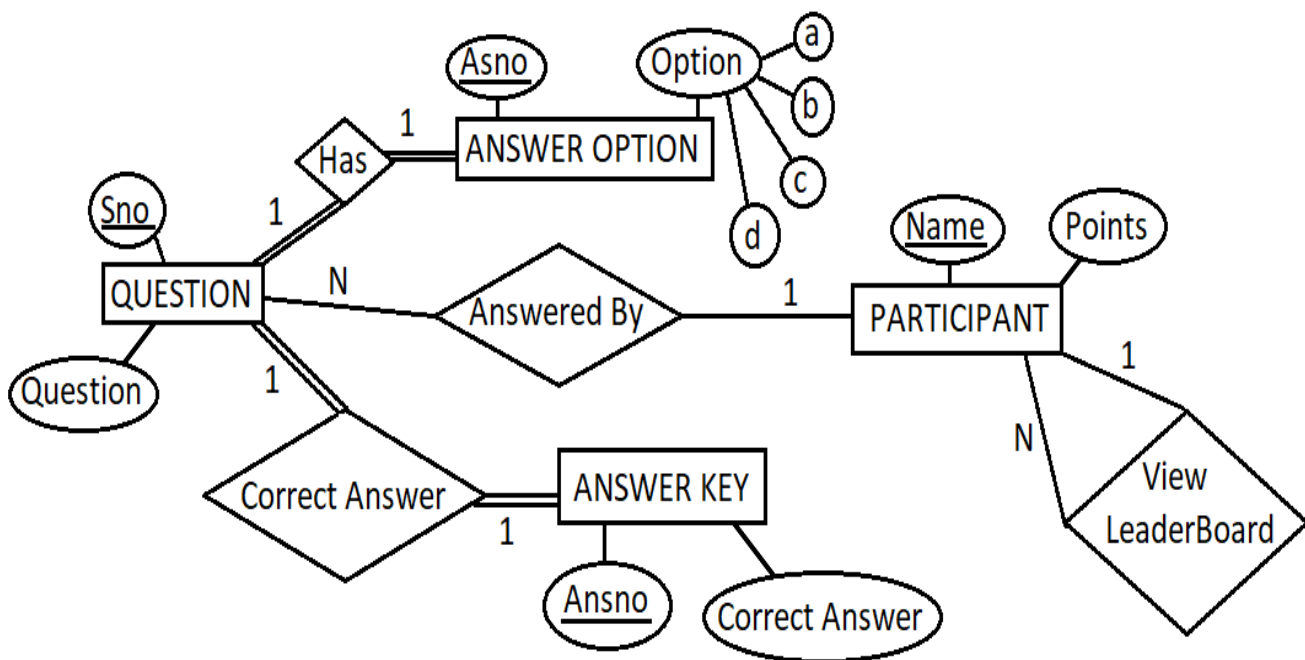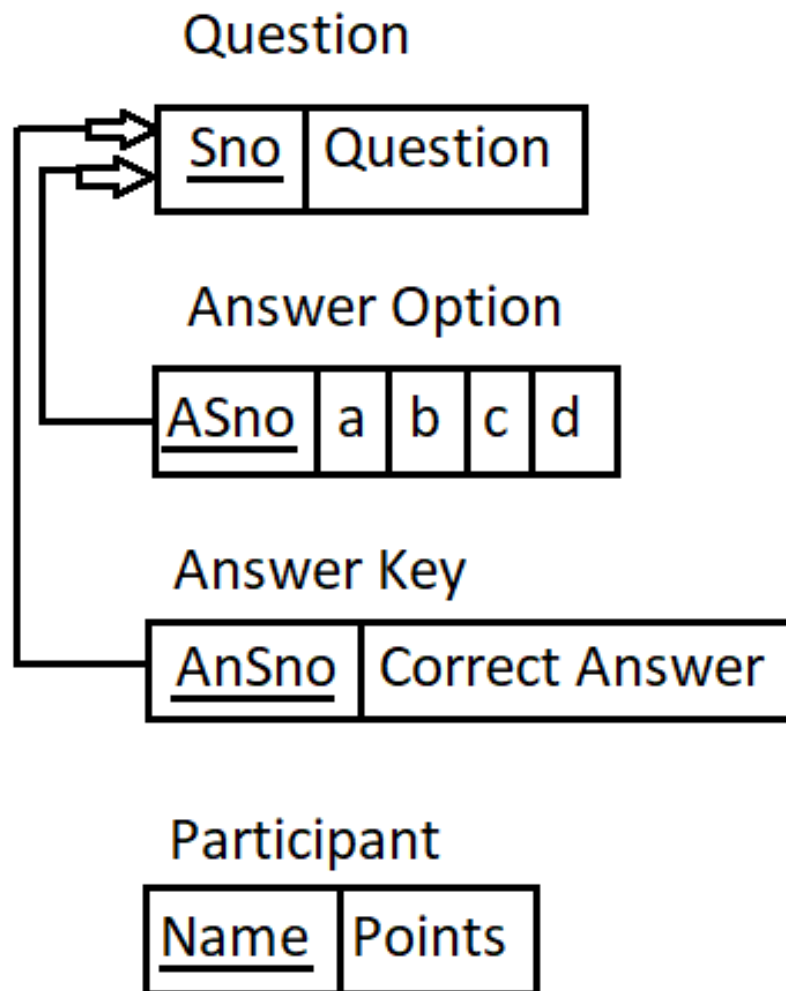
CHAPTER 4

4.1   SCHEMA DIAGRAM

A database schema is the skeleton structure that represents the logical view of the entire database. It defines how the data is organized and how the relations among them are associated. It formulates all the constraints that are to be applied on the data.

A database schema defines its entities and the relationship among them. It contains a descriptive detail of the database, which can be depicted by means of schema diagrams.

Question

Sno	Question

Answer Option

ASno	a	b	c	d

Answer Key

AnSno	Correct Answer

Participant

Name	Points

CHAPTER 5

5.1 IMPLEMENTATION

5.1.1 Backend Implementation

5.1.1.1 Create Statement

The CREATE TABLE statement is used to create a new table in a database.

SYNTAX:

CREATE TABLE *table_name* (
   column1 datatype,
   column2 datatype,
   column3 datatype,

  ....
 );

The column parameters specify the names of the columns of the table.

The data type parameter specifies the type of data the column can hold (e.g. varchar, integer, date, etc.).

Create table Question(Sno number primary key, Question varchar(100));

Create table AnswerOption(ASno number(3) primary key references Question(Sno), a varchar(40), b varchar(40), c varchar(40), d varchar(40));

Create table AnswerKey(AnSno number primary key references Question(Sno), CorrectAnswer varchar(2));

Create table Participant(Name varchar(20) primary key, Points number(2));

5.1.1.2 Describe Statement

SQL> desc question;

Name	Null?	Type
SNO	NOT NULL	NUMBER
QUESTION		VARCHAR2(100)

SQL> desc answeroption;

Name	Null?	Type
ANO	NOT NULL	NUMBER(3)
A		VARCHAR2(40)
B		VARCHAR2(40)
C		VARCHAR2(40)
D		VARCHAR2(40)

SQL> desc answerkey;

Name	Null?	Type
ANSNO	NOT NULL	NUMBER
CORRECTANSWER		VARCHAR2(2)

SQL> desc participant;

Name	Null?	Type
NAME		VARCHAR2(20)
POINTS		NUMBER(2)

5.1.1.3 <u>Insert Statement:</u>

The INSERT statement adds one or more new rows of data to a database table.

SYNTAX:

Insert into table_name values (value1,value2....);

SQL>insert into question values(1,' ".MOV" extension refers usually to what kind
Of file?');

SQL>insert into question values(2,' "OS" computer abbreviation usually means ?'
);

SQL>insert into answeroption values(1,' Image file',' Animation/movie file',

'Audio file',' MS Office document');

SQL>insert into answeroption values(2,' Order of Significance',' Open Software',

'Operating System',' Optical Sensor');

SQL>insert into answerkey values(1,'b');

SQL>insert into answerkey values(2,'c');

5.1.2 Front End Implementation

```
//Frame 1

import java.awt.*;
import java.sql.*;

public class NewJFrame extends javax.swing.JFrame {

    public NewJFrame() {
        initComponents();
        jButton1.setOpaque(false);
        jButton2.setOpaque(false);
    }

    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {

        oracleDriver1 = new oracle.jdbc.driver.OracleDriver();
        jButton1 = new javax.swing.JButton();
        jLabel1 = new javax.swing.JLabel();
        jButton2 = new javax.swing.JButton();
        jLabel2 = new javax.swing.JLabel();


setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_C
LOSE);
        setMinimumSize(new java.awt.Dimension(705, 375));
        setSize(new java.awt.Dimension(1000, 1000));
        getContentPane().setLayout(null);

        jButton1.setBackground(new java.awt.Color(52, 23, 173));
        jButton1.setFont(new java.awt.Font("Engravers MT", 1, 14)); //
NOI18N
```

```java
jButton1.setForeground(new java.awt.Color(252, 252, 252));
jButton1.setText("Take Quiz");
jButton1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton1ActionPerformed(evt);
    }
});
getContentPane().add(jButton1);
jButton1.setBounds(270, 120, 160, 33);

jLabel1.setFont(new java.awt.Font("Ravie", 1, 36)); // NOI18N
jLabel1.setForeground(new java.awt.Color(252, 252, 252));
jLabel1.setText("QUIZ");
jLabel1.setName("lala"); // NOI18N
getContentPane().add(jLabel1);
jLabel1.setBounds(290, 30, 134, 74);

jButton2.setBackground(new java.awt.Color(52, 23, 173));
jButton2.setFont(new java.awt.Font("Engravers MT", 1, 14)); // NOI18N
jButton2.setForeground(new java.awt.Color(255, 255, 255));
jButton2.setText("View Leader Board");
jButton2.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton2ActionPerformed(evt);
    }
});
getContentPane().add(jButton2);
jButton2.setBounds(220, 200, 260, 48);

jLabel2.setIcon(new javax.swing.ImageIcon(getClass().getResource("/bg2.png"))); // NOI18N
jLabel2.setToolTipText("");
```

```java
        jLabel2.setMaximumSize(new java.awt.Dimension(705, 375));
        jLabel2.setMinimumSize(new java.awt.Dimension(705, 375));
        jLabel2.setPreferredSize(new java.awt.Dimension(705, 375));
        getContentPane().add(jLabel2);
        jLabel2.setBounds(10, 0, 670, 370);

        pack();
    }// </editor-fold>
    private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
        Name1 n = new Name1();
        n.setVisible(true);
        dispose();
    }


    private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
        Board b = new Board();
        b.setVisible(true);
        dispose();
    }
    public static void main(String args[]) {
        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new NewJFrame().setVisible(true);
            }
        });
    }
    // Variables declaration - do not modify
    private javax.swing.JButton jButton1;
    private javax.swing.JButton jButton2;
    private javax.swing.JLabel jLabel1;
    private javax.swing.JLabel jLabel2;
    private oracle.jdbc.driver.OracleDriver oracleDriver1;
```

```java
    // End of variables declaration
}

//Frame 2


public class Name1 extends javax.swing.JFrame {

    static String player;

    public Name1() {
        initComponents();
    }

    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {

        jLabel1 = new javax.swing.JLabel();
        user = new javax.swing.JTextField();
        jLabel2 = new javax.swing.JLabel();
        Start = new javax.swing.JButton();


setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_C
LOSE);
        setMaximumSize(new java.awt.Dimension(705, 375));
        setMinimumSize(new java.awt.Dimension(705, 375));
        setPreferredSize(new java.awt.Dimension(705, 375));

        jLabel1.setFont(new java.awt.Font("Segoe UI", 1, 18)); // NOI18N
        jLabel1.setForeground(new java.awt.Color(0, 0, 204));
        jLabel1.setText("Enter name : ");
```

```java
    String s=user.getText();
    System.out.println(s);
    user.addActionListener(new java.awt.event.ActionListener() {
      public void actionPerformed(java.awt.event.ActionEvent evt) {
        userActionPerformed(evt);
      }
    });

    jLabel2.setText("PRESS ENTER");

    Start.setFont(new java.awt.Font("Sylfaen", 0, 24)); // NOI18N
    Start.setForeground(new java.awt.Color(0, 0, 204));
    Start.setText("START THE QUIZ");
    Start.addActionListener(new java.awt.event.ActionListener() {
      public void actionPerformed(java.awt.event.ActionEvent evt) {
        StartActionPerformed(evt);
      }
    });

    javax.swing.GroupLayout layout = new
javax.swing.GroupLayout(getContentPane());
    getContentPane().setLayout(layout);
    layout.setHorizontalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEAD
ING)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()
          .addContainerGap(106, Short.MAX_VALUE)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Align
ment.TRAILING)
            .addGroup(layout.createSequentialGroup()
              .addComponent(jLabel1)
```

```
            .addGap(27, 27, 27)
            .addComponent(user,
javax.swing.GroupLayout.PREFERRED_SIZE, 227,
javax.swing.GroupLayout.PREFERRED_SIZE))
            .addComponent(Start))
        .addGap(232, 232, 232))
      .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()
        .addGap(0, 0, Short.MAX_VALUE)
        .addComponent(jLabel2)
        .addGap(313, 313, 313))
    );
    layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEAD
ING)
      .addGroup(layout.createSequentialGroup()
        .addGap(63, 63, 63)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Align
ment.BASELINE)
          .addComponent(user,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
          .addComponent(jLabel1))
        .addGap(41, 41, 41)
        .addComponent(jLabel2)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.REL
ATED, 106, Short.MAX_VALUE)
        .addComponent(Start)
        .addGap(84, 84, 84))
    );
```

```java
    pack();
  }// </editor-fold>

  private void userActionPerformed(java.awt.event.ActionEvent evt) {
    player = user.getText();
    System.out.print(player);

    //System.out.println(player);
  }

  private void StartActionPerformed(java.awt.event.ActionEvent evt) {
    NewJFrame1 jf = new NewJFrame1();
    jf.setVisible(true);
    dispose();
  }
  public static void main(String args[])
  {
    java.awt.EventQueue.invokeLater(new Runnable()
    {
      public void run()
      {
        new Name1().setVisible(true);
      }
    });
  }
  // Variables declaration - do not modify
  private javax.swing.JButton Start;
  private javax.swing.JLabel jLabel1;
  private javax.swing.JLabel jLabel2;
  private transient javax.swing.JTextField user;
  // End of variables declaration
}
```

//Frame 3

```java
import java.util.*;
import java.sql.*;
import javax.swing.JTextArea;

public class NewJFrame1 extends javax.swing.JFrame {

    static int correct = 0, count = 0;

    public NewJFrame1() {
        initComponents();
        JB1.setOpaque(false);
        JB2.setOpaque(false);
        JB3.setOpaque(false);
        JB4.setOpaque(false);
    }
    @SuppressWarnings("unchecked")
    Random r = new Random();
    int no = r.nextInt(20) + 1;
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {

        jLabel1 = new javax.swing.JLabel();
        jLabel2 = new javax.swing.JLabel();
        JB1 = new javax.swing.JButton();
        JB4 = new javax.swing.JButton();
        JB2 = new javax.swing.JButton();
        JB3 = new javax.swing.JButton();
        jLabel3 = new javax.swing.JLabel();
        jLabel4 = new javax.swing.JLabel();
        jLabel5 = new javax.swing.JLabel();
        jLabel6 = new javax.swing.JLabel();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
        setMaximumSize(new java.awt.Dimension(1000, 375));
        setMinimumSize(new java.awt.Dimension(1000, 375));
        setPreferredSize(new java.awt.Dimension(705, 375));

        jLabel1.setText("Q.");

        String Q=null;
        try
        {
            Class.forName("oracle.jdbc.driver.OracleDriver");
            Connection
con=DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:xe","sohini","sohini");
            String q="select * from question";
```

```
            Statement st=con.createStatement();
            ResultSet rs=st.executeQuery(q);
            //System.out.println(no);
            for(int i=1;i<=no;i++)
            {
               if(rs.next())
               {
                  Q=rs.getString(2);
               }
            }
        }
        catch(Exception e)
        {
            System.out.println(e);
        }
        jLabel2.setFont(new java.awt.Font("Trebuchet MS", 1, 18)); // NOI18N
        jLabel2.setForeground(new java.awt.Color(153, 0, 0));
        jLabel2.setText(Q);

        String op1=null;
        try
        {
            Class.forName("oracle.jdbc.driver.OracleDriver");
            Connection
con=DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:xe","sohini","sohini");
            String q="select * from answeroption";
            Statement st=con.createStatement();
            ResultSet rs=st.executeQuery(q);
            for(int i=1;i<=no;i++)
            {
               if(rs.next())
               {
                  op1=rs.getString(2);
               }
            }
        }
        catch(Exception e)
        {
            System.out.println(e);
        }
        JB1.setFont(new java.awt.Font("Trebuchet MS", 1, 18)); // NOI18N
        JB1.setForeground(new java.awt.Color(153, 0, 0));
        JB1.setText(op1);
        JB1.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                JB1ActionPerformed(evt);
            }
        });

        String op4=null;
```

```
try
{
    Class.forName("oracle.jdbc.driver.OracleDriver");
    Connection
con=DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:xe","sohini","sohini");
    String q="select * from answeroption";
    Statement st=con.createStatement();
    ResultSet rs=st.executeQuery(q);
    for(int i=1;i<=no;i++)
    {
        if(rs.next())
        {
            op4=rs.getString(5);
        }
    }
}
catch(ClassNotFoundException e)
{
    System.out.println(e);
}
catch(SQLException se)
{
    System.out.println(se);
}
JB4.setFont(new java.awt.Font("Trebuchet MS", 1, 18)); // NOI18N
JB4.setForeground(new java.awt.Color(153, 0, 0));
JB4.setText(op4);
JB4.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        JB4ActionPerformed(evt);
    }
});

String op2=null;
try
{
    Class.forName("oracle.jdbc.driver.OracleDriver");
    Connection
con=DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:xe","sohini","sohini");
    String q="select * from answeroption";
    Statement st=con.createStatement();
    ResultSet rs=st.executeQuery(q);
    for(int i=1;i<=no;i++)
    {
        if(rs.next())
        {
            op2=rs.getString(3);
        }
    }
}
```

```java
      catch(Exception e)
      {
         System.out.println(e);
      }
      JB2.setFont(new java.awt.Font("Trebuchet MS", 1, 18)); // NOI18N
      JB2.setForeground(new java.awt.Color(153, 0, 0));
      JB2.setText(op2);
      JB2.addActionListener(new java.awt.event.ActionListener() {
         public void actionPerformed(java.awt.event.ActionEvent evt) {
            JB2ActionPerformed(evt);
         }
      });

      String op3=null;
      try
      {
         Class.forName("oracle.jdbc.driver.OracleDriver");
         Connection
con=DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:xe","sohini","sohini");
         String q="select * from answeroption";
         Statement st=con.createStatement();
         ResultSet rs=st.executeQuery(q);
         for(int i=1;i<=no;i++)
         {
            if(rs.next())
            {
               op3=rs.getString(4);
            }
         }
      }
      catch(ClassNotFoundException e)
      {
         System.out.println(e);
      }
      catch(SQLException se)
      {
         System.out.println(se);
      }
      JB3.setFont(new java.awt.Font("Trebuchet MS", 1, 18)); // NOI18N
      JB3.setForeground(new java.awt.Color(153, 0, 0));
      JB3.setText(op3);
      JB3.addActionListener(new java.awt.event.ActionListener() {
         public void actionPerformed(java.awt.event.ActionEvent evt) {
            JB3ActionPerformed(evt);
         }
      });

      jLabel3.setText("D.");

      jLabel4.setText("C.");
```

```
    jLabel5.setText("B.");

    jLabel6.setText("A.");

    javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
    getContentPane().setLayout(layout);
    layout.setHorizontalGroup(
      layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
      .addGroup(layout.createSequentialGroup()
        .addGap(18, 18, 18)
        .addComponent(jLabel1)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
          .addGroup(layout.createSequentialGroup()
            .addComponent(jLabel2, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addContainerGap())
          .addGroup(layout.createSequentialGroup()
            .addGap(22, 22, 22)
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
              .addGroup(layout.createSequentialGroup()
                .addComponent(jLabel4)
                .addGap(18, 18, 18)
                .addComponent(JB3))
              .addGroup(layout.createSequentialGroup()
                .addComponent(jLabel6)
                .addGap(18, 18, 18)
                .addComponent(JB1)))
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 104,
Short.MAX_VALUE)
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
              .addComponent(jLabel5, javax.swing.GroupLayout.Alignment.TRAILING)
              .addComponent(jLabel3, javax.swing.GroupLayout.Alignment.TRAILING))
            .addGap(18, 18, 18)
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
              .addComponent(JB4)
              .addComponent(JB2))
            .addGap(202, 202, 202))))
    );
    layout.setVerticalGroup(
      layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
      .addGroup(layout.createSequentialGroup()
        .addGap(32, 32, 32)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
          .addComponent(jLabel1)
          .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE, 65,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(74, 74, 74)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
```

```
            .addComponent(JB1)
            .addComponent(JB2)
            .addComponent(jLabel6, javax.swing.GroupLayout.PREFERRED_SIZE, 23,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jLabel5))
          .addGap(74, 74, 74)
          .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(JB3)
            .addComponent(JB4)
            .addComponent(jLabel4)
            .addComponent(jLabel3))
          .addContainerGap(73, Short.MAX_VALUE))
    );

    jLabel1.getAccessibleContext().setAccessibleName(getName());


    pack();
  }// </editor-fold>
  String key;

  public void fetch() {
    try {
      Class.forName("oracle.jdbc.driver.OracleDriver");
      Connection con = DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:xe", "sohini",
"sohini");
      String a = "select * from answerkey";
      Statement st = con.createStatement();
      ResultSet rs1 = st.executeQuery(a);
      for (int i = 1; i <= no; i++) {
        if (rs1.next()) {
          key = rs1.getString(2);
        }
      }
    } catch (Exception e) {
      System.out.println(e);
    }
  }
  Correct c = new Correct();
  Wrong w = new Wrong();
  String ans = null;
  private void JB1ActionPerformed(java.awt.event.ActionEvent evt) {
    fetch();
    //System.out.println("Key = "+key);
    //System.out.println("count="+count);
    ans = "a";
    //System.out.println("Ans = "+ans);
    if (ans.equals(key)) {
      correct++;
      count++;
      c.setVisible(true);
```

```
        dispose();
    } else {
        count++;
        w.setVisible(true);
        dispose();
    }
}
private void JB4ActionPerformed(java.awt.event.ActionEvent evt) {
    fetch();
    //System.out.println(key);
    ans = "d";
    //System.out.println(ans);
    if (ans.equals(key)) {
        count++;
        correct++;
        c.setVisible(true);
        dispose();
    } else {
        count++;
        w.setVisible(true);
        dispose();
    }
}
private void JB2ActionPerformed(java.awt.event.ActionEvent evt) {
    fetch();
    //System.out.println(key);
    ans = "b";
    //System.out.println(ans);
    if (ans.equals(key)) {
        correct++;
        count++;
        c.setVisible(true);
        dispose();
    } else {
        count++;
        w.setVisible(true);
        dispose();
    }
}
private void JB3ActionPerformed(java.awt.event.ActionEvent evt) {
    fetch();
    //System.out.println(key);
    ans = "c";
    //System.out.println(ans);
    if (ans.equals(key)) {
        correct++;
        count++;
        c.setVisible(true);
        dispose();
    } else {
```

```
        count++;
        //System.out.println("count = "+count);
        w.setVisible(true);
        dispose();
    }
  }
  public static void main(String args[]) {
    java.awt.EventQueue.invokeLater(new Runnable() {
        public void run() {
          new NewJFrame1().setVisible(true);
        }
    });
  }
  // Variables declaration - do not modify
  private transient javax.swing.JButton JB1;
  private transient javax.swing.JButton JB2;
  private transient javax.swing.JButton JB3;
  private transient javax.swing.JButton JB4;
  private javax.swing.JLabel jLabel1;
  private transient javax.swing.JLabel jLabel2;
  private javax.swing.JLabel jLabel3;
  private javax.swing.JLabel jLabel4;
  private javax.swing.JLabel jLabel5;
  private javax.swing.JLabel jLabel6;
  // End of variables declaration
}
```

//Frame 4


```java
public class Wrong extends javax.swing.JFrame {

  public Wrong() {
    initComponents();
  }

  @SuppressWarnings("unchecked")
  // <editor-fold defaultstate="collapsed" desc="Generated Code">
  private void initComponents() {

    jButton1 = new javax.swing.JButton();
    jLabel1 = new javax.swing.JLabel();
```

```
setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_C
LOSE);
    setMaximumSize(new java.awt.Dimension(705, 375));
    setMinimumSize(new java.awt.Dimension(705, 375));
    setPreferredSize(new java.awt.Dimension(705, 375));

    jButton1.setText("Next");
    jButton1.addActionListener(new java.awt.event.ActionListener() {
       public void actionPerformed(java.awt.event.ActionEvent evt) {
          jButton1ActionPerformed(evt);
       }
    });

    jLabel1.setFont(new java.awt.Font("Snap ITC", 0, 36)); // NOI18N
    jLabel1.setForeground(new java.awt.Color(204, 0, 0));
    jLabel1.setText("WRONG");

    javax.swing.GroupLayout layout = new
javax.swing.GroupLayout(getContentPane());
    getContentPane().setLayout(layout);
    layout.setHorizontalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEAD
ING)
       .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()

.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
          .addComponent(jButton1)
          .addGap(357, 357, 357))
       .addGroup(layout.createSequentialGroup()
```

```
            .addGap(224, 224, 224)
            .addComponent(jLabel1,
javax.swing.GroupLayout.PREFERRED_SIZE, 202,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addContainerGap(278, Short.MAX_VALUE))
      );
      layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEAD
ING)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()
            .addGap(91, 91, 91)
            .addComponent(jLabel1,
javax.swing.GroupLayout.PREFERRED_SIZE, 78,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.REL
ATED, 131, Short.MAX_VALUE)
            .addComponent(jButton1)
            .addGap(52, 52, 52))
      );

      pack();
   }// </editor-fold>
   private void jButton1ActionPerformed(java.awt.event.ActionEvent
evt) {
      if (NewJFrame1.count < 5) {
         NewJFrame1 j = new NewJFrame1();
         j.setVisible(true);
         dispose();
      } else {
         Board b = new Board();
         b.setVisible(true);
```

```
       dispose();
     }
   }
   public static void main(String args[])
   {
     java.awt.EventQueue.invokeLater(new Runnable()
     {
       public void run()
       {
         new Wrong().setVisible(true);
       }
     });
   }
   // Variables declaration - do not modify
   private javax.swing.JButton jButton1;
   private javax.swing.JLabel jLabel1;
   // End of variables declaration
}
```

//Frame 5


```
public class Correct extends javax.swing.JFrame {

   public Correct() {
     initComponents();
   }

   @SuppressWarnings("unchecked")
   // <editor-fold defaultstate="collapsed" desc="Generated Code">
   private void initComponents() {

     jButton1 = new javax.swing.JButton();
     jLabel1 = new javax.swing.JLabel();
```

```java
setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_C
LOSE);
    setMaximumSize(new java.awt.Dimension(705, 375));
    setMinimumSize(new java.awt.Dimension(705, 375));
    setPreferredSize(new java.awt.Dimension(705, 375));

    jButton1.setText("Next");
    jButton1.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jButton1ActionPerformed(evt);
        }
    });

    jLabel1.setFont(new java.awt.Font("Viner Hand ITC", 0, 36)); //
NOI18N
    jLabel1.setForeground(new java.awt.Color(0, 255, 51));
    jLabel1.setText("CORRECT");

    javax.swing.GroupLayout layout = new
javax.swing.GroupLayout(getContentPane());
    getContentPane().setLayout(layout);
    layout.setHorizontalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEAD
ING)
        .addGroup(layout.createSequentialGroup()
            .addContainerGap(258, Short.MAX_VALUE)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Align
ment.LEADING)
```

```
.addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()
            .addComponent(jLabel1,
javax.swing.GroupLayout.PREFERRED_SIZE, 253,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(193, 193, 193))


.addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()
            .addComponent(jButton1)
            .addGap(318, 318, 318))))
    );
    layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEAD
ING)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()
          .addContainerGap(104, Short.MAX_VALUE)
          .addComponent(jLabel1,
javax.swing.GroupLayout.PREFERRED_SIZE, 85,
javax.swing.GroupLayout.PREFERRED_SIZE)
          .addGap(97, 97, 97)
          .addComponent(jButton1)
          .addGap(66, 66, 66))
    );

    pack();
  }// </editor-fold>
  private void jButton1ActionPerformed(java.awt.event.ActionEvent
evt) {
    if (NewJFrame1.count < 5) {
      Correct c;
```

```java
      NewJFrame1 j = new NewJFrame1();
      j.setVisible(true);
      dispose();
   } else {
      Board b = new Board();
      b.setVisible(true);
      dispose();
   }
}
public static void main(String args[])
{
   java.awt.EventQueue.invokeLater(new Runnable()
   {
      public void run()
      {
         new Correct().setVisible(true);
      }
   });
}
// Variables declaration - do not modify
private javax.swing.JButton jButton1;
private javax.swing.JLabel jLabel1;
// End of variables declaration
}
```

//Frame 6


```java
import java.sql.*;
import net.proteanit.sql.DbUtils;

public class Board extends javax.swing.JFrame {
```

```java
int size;

public Board() {
    initComponents();
    try {
        //System.out.println("LEADER CORRECT = "+NewJFrame1.correct);
        //System.out.println("LEADER NAME = "+Name1.player);
        Class.forName("oracle.jdbc.driver.OracleDriver");
        Connection con = DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:xe", "sohini", "sohini");
        String q2 = "select count(*) from leaderb";
        Statement st2 = con.createStatement();
        ResultSet rs2 = st2.executeQuery(q2);
        rs2.next();
        size = rs2.getInt(1);
        PreparedStatement pst = con.prepareStatement("insert into leaderb values(?,?)");
        pst.setString(1, Name1.player);
        pst.setInt(2, NewJFrame1.correct);
        pst.execute();
        Name1.player = " ";
        NewJFrame1.correct = 0;
    } catch (Exception e) {
        System.out.println();
    }
    fetch();
}

public void fetch() {
    try {
        Class.forName("oracle.jdbc.driver.OracleDriver");
```

```
        Connection con =
DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:xe",
"sohini", "sohini");
        String q = "select * from leaderb where name != ' ' order by
points desc";
        PreparedStatement pst1 = con.prepareStatement(q);
        ResultSet rs = pst1.executeQuery();
        jTable1.setModel(DbUtils.resultSetToTableModel(rs));
    } catch (Exception e) {
        System.out.println(e);
    }
  }

  @SuppressWarnings("unchecked")
  // <editor-fold defaultstate="collapsed" desc="Generated Code">
  private void initComponents() {

    jScrollPane1 = new javax.swing.JScrollPane();
    jTable1 = new javax.swing.JTable();
    jButton1 = new javax.swing.JButton();


setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_C
LOSE);
    setMaximumSize(new java.awt.Dimension(705, 375));
    setMinimumSize(new java.awt.Dimension(705, 375));
    setPreferredSize(new java.awt.Dimension(705, 375));

    jTable1.setModel(new javax.swing.table.DefaultTableModel(
        new Object [][] {
            {null, null},
            {null, null},
            {null, null},
            {null, null},
```

```
          {null, null},
          {null, null},
          {null, null},
          {null, null},
          {null, null},
          {null, null},
          {null, null},
          {null, null},
          {null, null},
          {null, null},
          {null, null},
          {null, null},
          {null, null},
          {null, null},
          {null, null},
          {null, null}
        },
        new String [] {
          "NAME", "POINTS"
        }
    ) {
        boolean[] canEdit = new boolean [] {
          false, false
        };

        public boolean isCellEditable(int rowIndex, int columnIndex) {
          return canEdit [columnIndex];
        }
    });
    jScrollPane1.setViewportView(jTable1);

    jButton1.setText("BACK");
    jButton1.addActionListener(new java.awt.event.ActionListener() {
      public void actionPerformed(java.awt.event.ActionEvent evt) {
```

```
        jButton1ActionPerformed(evt);
      }
    });

    javax.swing.GroupLayout layout = new
javax.swing.GroupLayout(getContentPane());
    getContentPane().setLayout(layout);
    layout.setHorizontalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEAD
ING)
        .addGroup(layout.createSequentialGroup()
          .addContainerGap(170, Short.MAX_VALUE)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Align
ment.LEADING)

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()
              .addComponent(jScrollPane1,
javax.swing.GroupLayout.PREFERRED_SIZE, 375,
javax.swing.GroupLayout.PREFERRED_SIZE)
              .addGap(159, 159, 159))

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()
              .addComponent(jButton1)
              .addGap(316, 316, 316))))
    );
    layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEAD
ING)
        .addGroup(layout.createSequentialGroup()
```

```
        .addContainerGap()
        .addComponent(jScrollPane1,
javax.swing.GroupLayout.PREFERRED_SIZE, 275,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.REL
ATED, 44, Short.MAX_VALUE)
        .addComponent(jButton1)
        .addGap(22, 22, 22))
    );

    pack();
  }// </editor-fold>
  private void jButton1ActionPerformed(java.awt.event.ActionEvent
evt) {
    NewJFrame j = new NewJFrame();
    j.setVisible(true);
    dispose();
  }
  public static void main(String args[]) {
    java.awt.EventQueue.invokeLater(new Runnable() {
      public void run() {
        new Board().setVisible(true);
      }
    });
  }
  // Variables declaration - do not modify
  private javax.swing.JButton jButton1;
  private javax.swing.JScrollPane jScrollPane1;
  private javax.swing.JTable jTable1;
  // End of variables declaration
}
```

CHAPTER 6

6.1 SNAPSHOTS
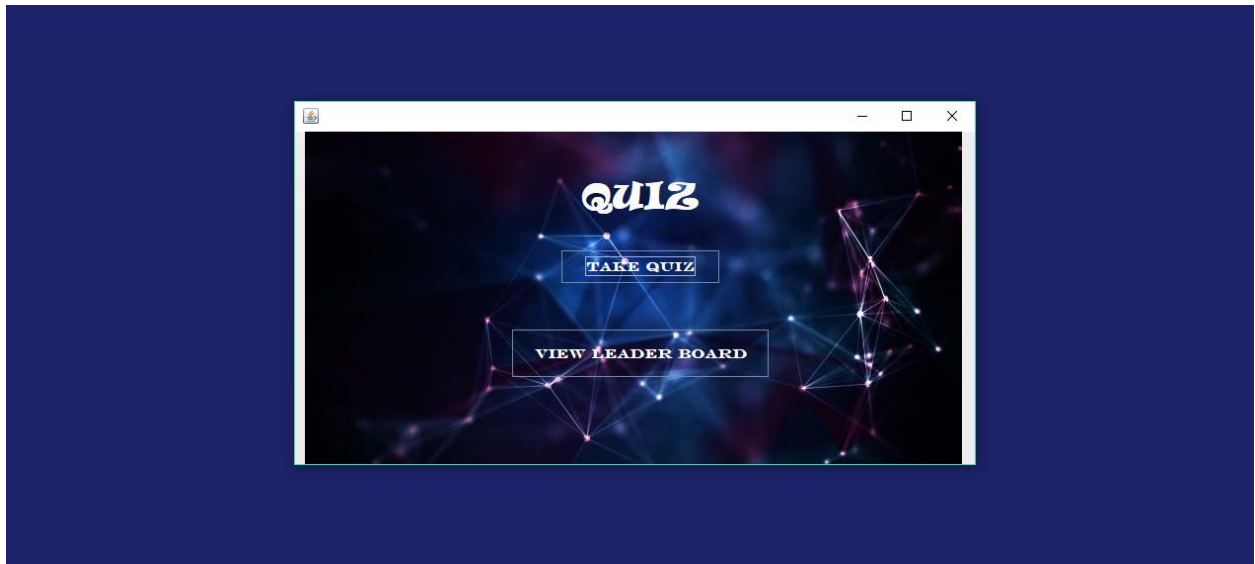
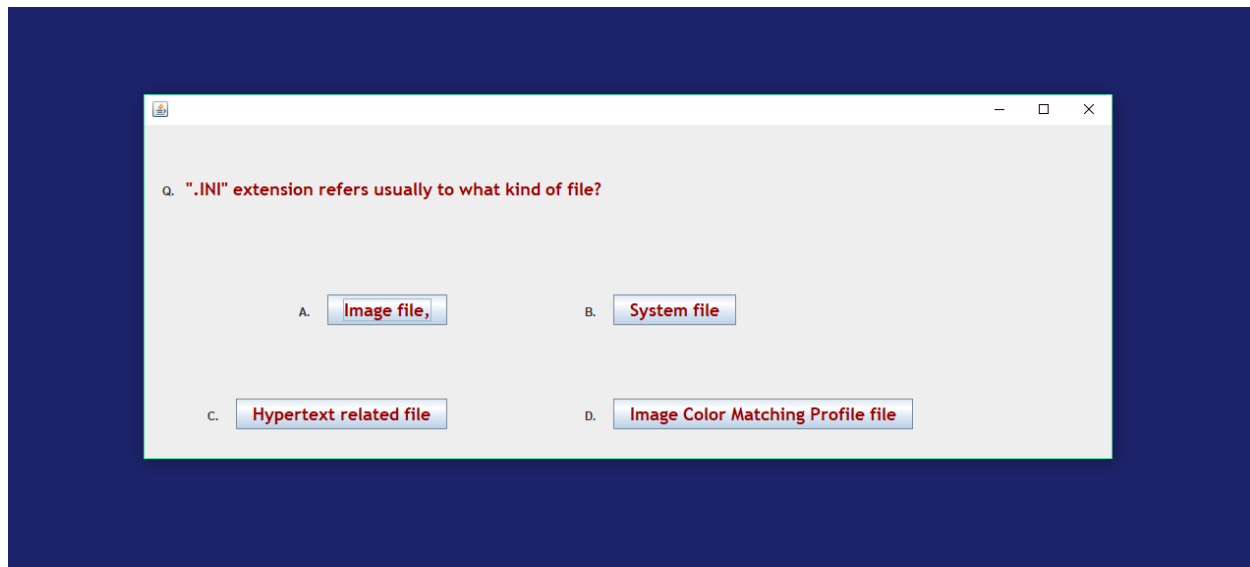Fig. 6.1.1: Start page
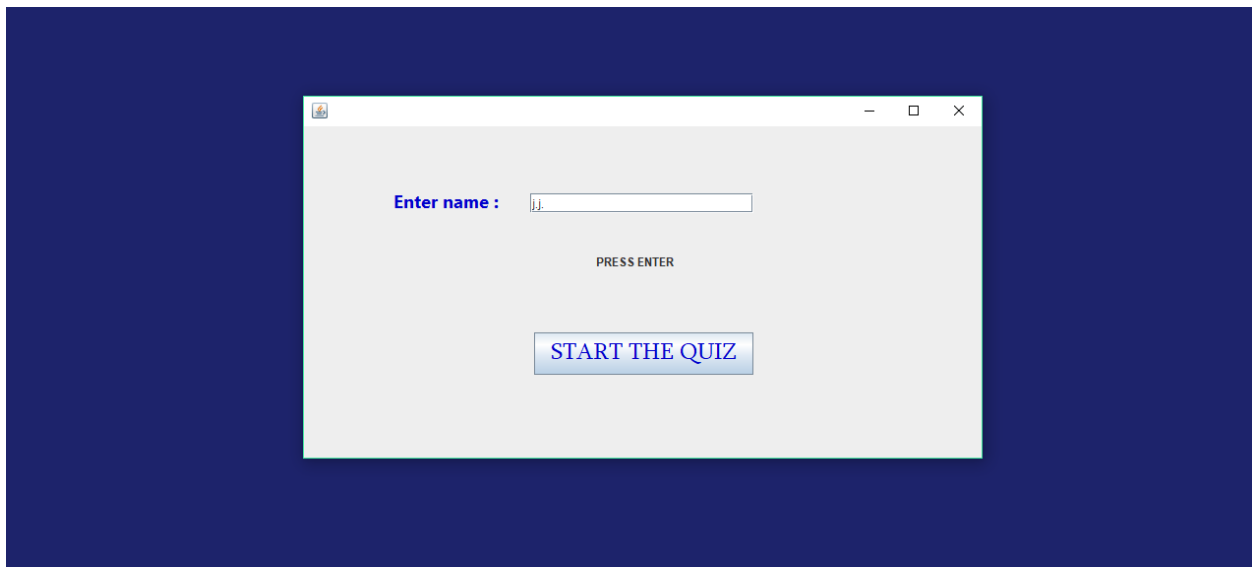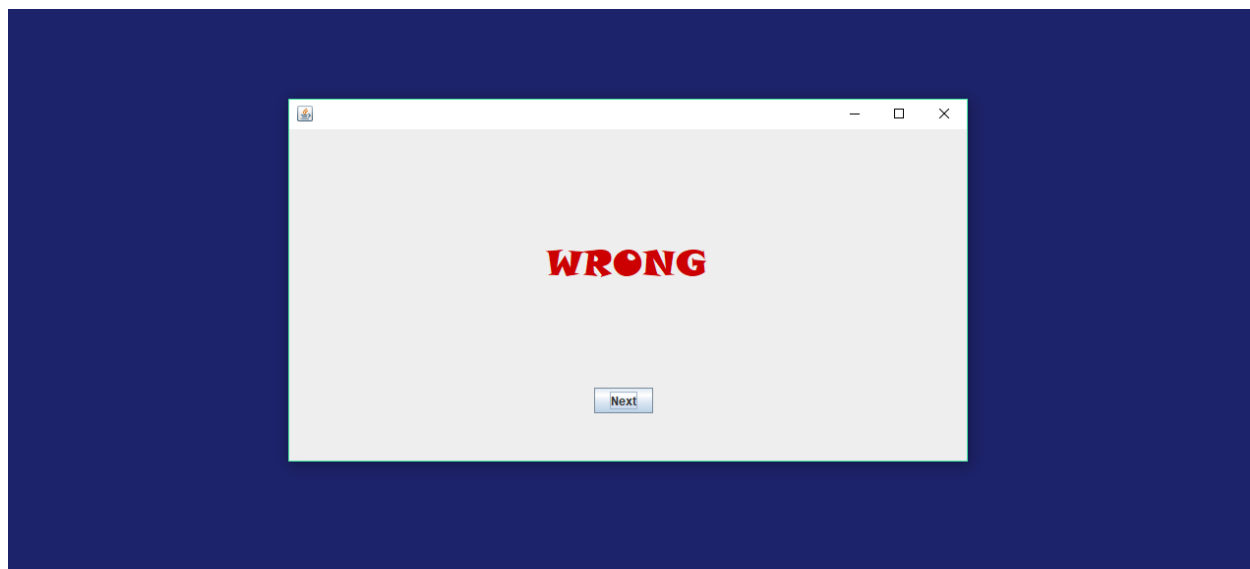

Fig. 6.1.2: User name
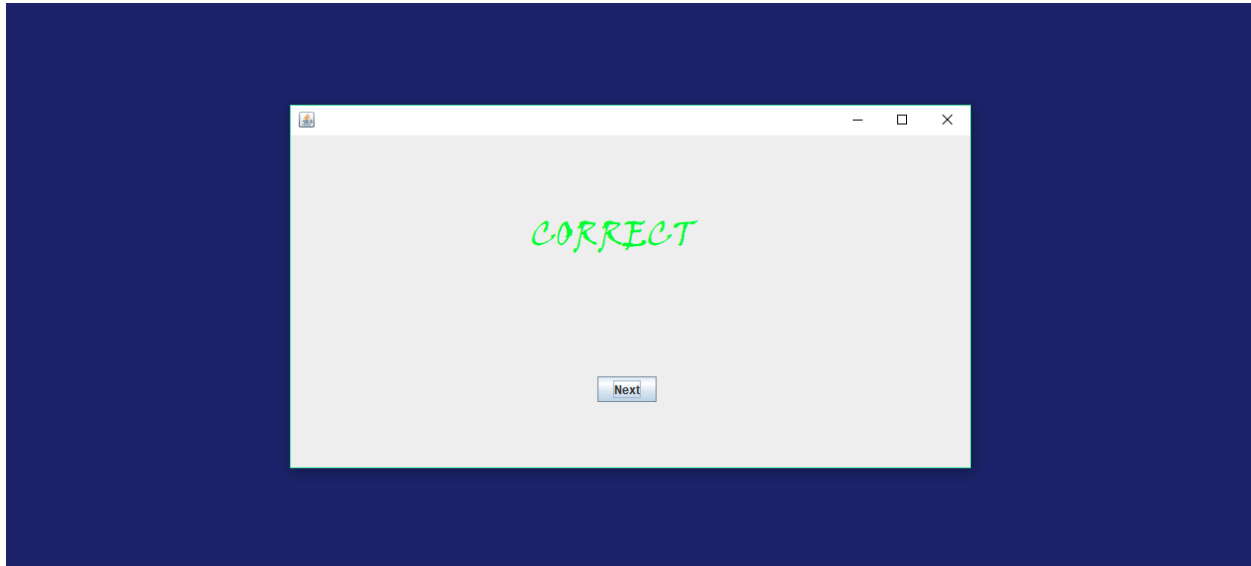
Fig. 6.1.3: Question

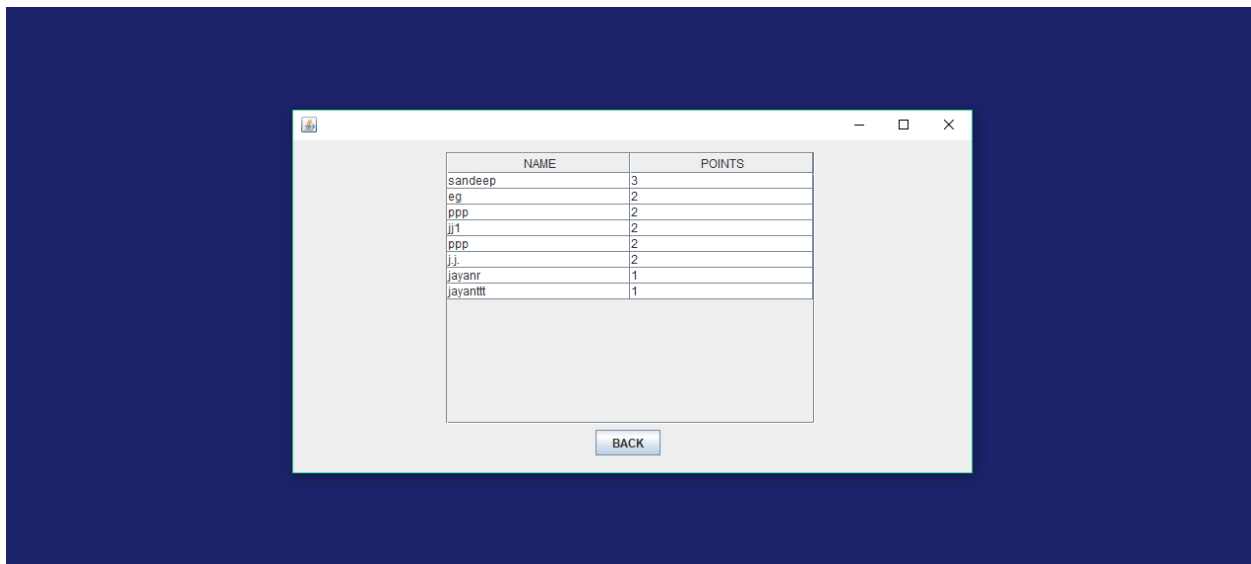Fig. 6.1.4: Wrong message

Fig. 6.1.5: <u>Correct Message</u>

Fig. 6.1.6 : <u>Leader Board</u>

CHAPTER 7

7.1 **CONCLUSION**

The following conclusion can be deduced from the project:

Quiz can be beneficial to students for many reasons. Hands-on activities, rather than a lecture-based style of learning, help students maintain focus and develop essential problem-solving skills. Students will find a classroom quiz show to be engaging and exciting. Educators can use quiz as a motivational tool for students. Students will naturally be motivated to study more and pay attention during class if they know that later they will be tested on the material in front of their peers. Add further motivation by explaining to students before the lesson that the winners of the classroom quiz show will be rewarded with no-homework passes or extra credit on an upcoming test. Students will enjoy reviewing the concepts they have recently studied. Quiz allow students to build on prior knowledge and reinforce concepts which may have been unclear to them. Students will take time to go over recent lessons to perform better during the quiz. Classroom quiz shows provide an excellent way to reinforce material that needs to be covered before an upcoming state test. It also helps them be more involved and builds a good competitive attitude.

CHAPTER 8

8.1 **REFERENCES**

- https://stackoverflow.com/

- https://www.w3schools.com/

- https://www.tutorialspoint.com/swing/

- https://www.javatpoint.com/java-swing