



# Computer Project

KBC (Quiz) Java Netbeans

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# Certificate

It is hereby certified that Upendra Upadhyay of class XII has carried out all the necessary practical works per the syllabus prescribed by the C.B.S.E., New Delhi, 2014 – 2015.

Internal Signature

External Signature

Institutes Signature

Submission Date

# Acknowledgement

I will treasure the knowledge imparted to me by Sravanthi madam, my grateful thanks to her for the able teaching and guidance. I thank all other people for their cooperation. I also thank my parents and my friends for their constant support and cooperation.

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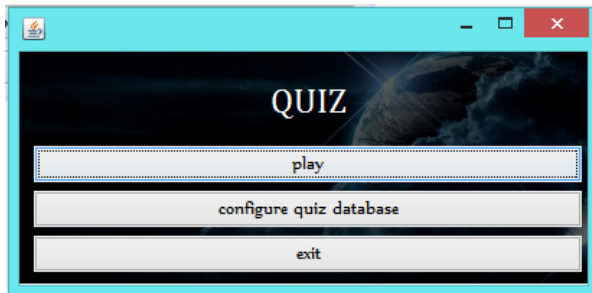
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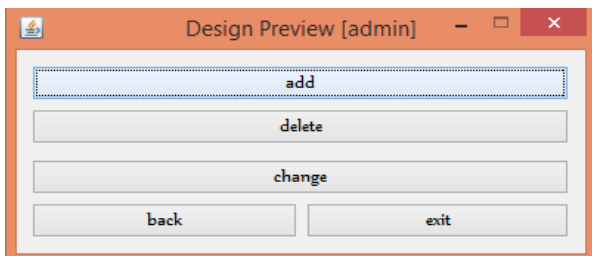
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# Design Windows



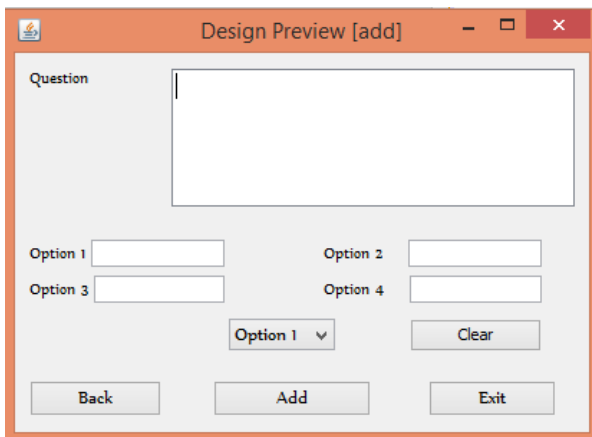
Quiz Main Menu Window

Buttons: play, configure quiz database, exit



Design Preview [admin] Window

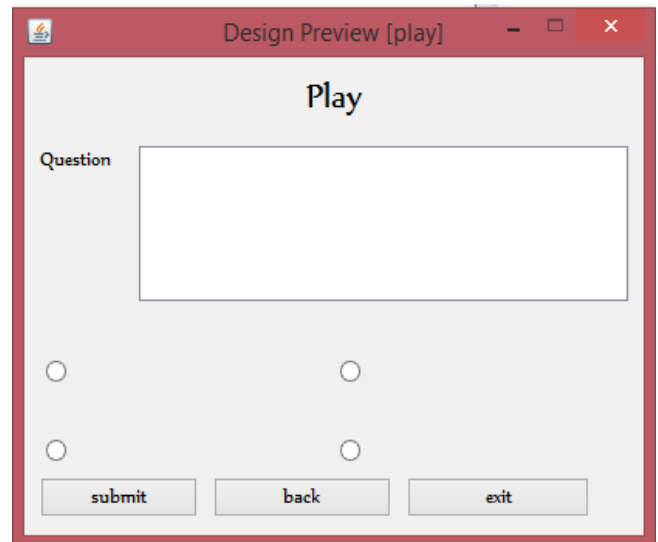
Buttons: add, delete, change, back, exit



Design Preview [add] Window

Fields: Question, Option 1, Option 2, Option 3, Option 4

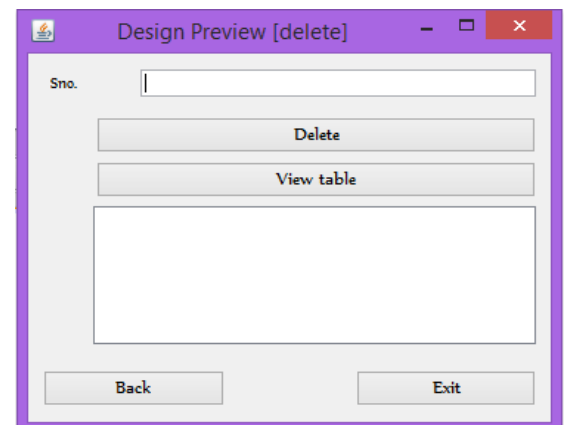
Buttons: Back, Add, Exit



Design Preview [play] Window

Fields: Question

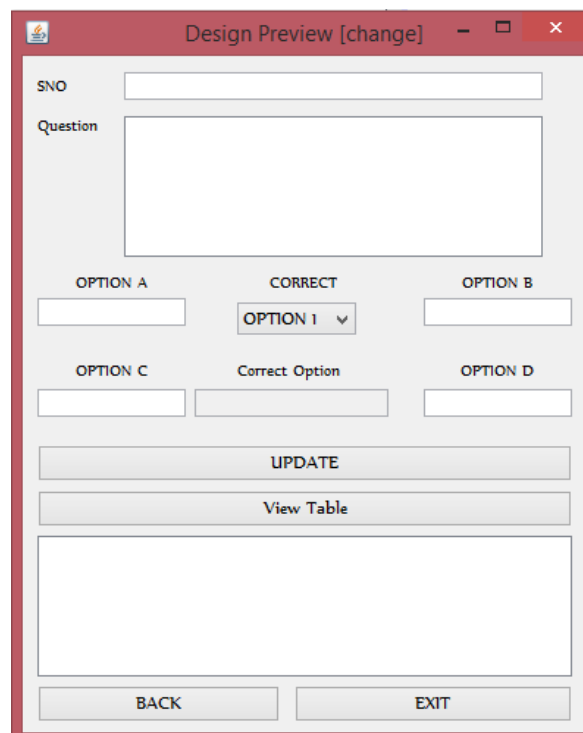
Buttons: submit, back, exit



Design Preview [delete] Window

Fields: Sno.

Buttons: Delete, View table, Back, Exit



Design Preview [change] Window

Fields: SNO, Question, OPTION A, CORRECT, OPTION B, OPTION C, Correct Option, OPTION D

Buttons: UPDATE, View Table, BACK, EXIT

# Source Code

```
import com.mysql.jdbc.Connection;
import com.mysql.jdbc.Statement;
import java.awt.Image;
import java.sql.DriverManager;
import java.sql.ResultSet;
import javax.swing.ImageIcon;
import javax.swing.JLabel;
import javax.swing.JOptionPane;
/*
@author Upendra & Sreekrishnan
*/
public class kbc extends javax.swing.JFrame {
    public kbc() {
        initComponents();
    }
}
```

## Generated Code:

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

    play = new javax.swing.JFrame();
    jLabel2 = new javax.swing.JLabel();
    jLabel3 = new javax.swing.JLabel();
    jScrollPane1 = new javax.swing.JScrollPane();
    ques = new javax.swing.JTextArea();
    jButton4 = new javax.swing.JButton();
    jButton5 = new javax.swing.JButton();
    jButton6 = new javax.swing.JButton();
    ans1 = new javax.swing.JRadioButton();
    ans2 = new javax.swing.JRadioButton();
    ans3 = new javax.swing.JRadioButton();
    ans4 = new javax.swing.JRadioButton();
}
```

```
admin = new javax.swing.JFrame();
jButton7 = new javax.swing.JButton();
jButton8 = new javax.swing.JButton();
jButton9 = new javax.swing.JButton();
jButton10 = new javax.swing.JButton();
jButton11 = new javax.swing.JButton();
add = new javax.swing.JFrame();
jLabel4 = new javax.swing.JLabel();
jScrollPane2 = new javax.swing.JScrollPane();
quest = new javax.swing.JTextArea();
jLabel5 = new javax.swing.JLabel();
jLabel6 = new javax.swing.JLabel();
jLabel7 = new javax.swing.JLabel();
jLabel8 = new javax.swing.JLabel();
opt1 = new javax.swing.JTextField();
opt2 = new javax.swing.JTextField();
opt3 = new javax.swing.JTextField();
opt4 = new javax.swing.JTextField();
ans = new javax.swing.JComboBox();
jButton12 = new javax.swing.JButton();
jButton13 = new javax.swing.JButton();
jButton14 = new javax.swing.JButton();
jButton24 = new javax.swing.JButton();
delete = new javax.swing.JFrame();
no1 = new javax.swing.JTextField();
jLabel9 = new javax.swing.JLabel();
jButton15 = new javax.swing.JButton();
jButton16 = new javax.swing.JButton();
jScrollPane3 = new javax.swing.JScrollPane();
table1 = new javax.swing.JTextArea();
jButton17 = new javax.swing.JButton();
jButton18 = new javax.swing.JButton();
buttonGroup1 = new javax.swing.ButtonGroup();
change = new javax.swing.JFrame();
jLabel16 = new javax.swing.JLabel();
ssnnoo = new javax.swing.JTextField();
jLabel17 = new javax.swing.JLabel();
jLabel10 = new javax.swing.JLabel();
cor = new javax.swing.JComboBox();
opp1 = new javax.swing.JTextField();
jLabel14 = new javax.swing.JLabel();
jLabel15 = new javax.swing.JLabel();
jLabel13 = new javax.swing.JLabel();
```

```

opp4 = new javax.swing.JTextField();
opp3 = new javax.swing.JTextField();
jLabel18 = new javax.swing.JLabel();
opp2 = new javax.swing.JTextField();
jScrollPane4 = new javax.swing.JScrollPane();
ques3 = new javax.swing.JTextArea();
jLabel12 = new javax.swing.JLabel();
annss = new javax.swing.JTextField();
jButton19 = new javax.swing.JButton();
jButton20 = new javax.swing.JButton();
jScrollPane5 = new javax.swing.JScrollPane();
table2 = new javax.swing.JTextArea();
jButton21 = new javax.swing.JButton();
jButton22 = new javax.swing.JButton();
jLabel1 = new javax.swing.JLabel();
jButton1 = new javax.swing.JButton();
jButton2 = new javax.swing.JButton();
jButton3 = new javax.swing.JButton();
pic1 = new javax.swing.JLabel();

play.setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
play.setResizable(false);
play.addWindowListener(new java.awt.event.WindowAdapter() {
    public void windowOpened(java.awt.event.WindowEvent evt) {
        playWindowOpened(evt);
    }
});

jLabel2.setFont(new java.awt.Font("Nyala", 0, 24)); // NOI18N
jLabel2.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
jLabel2.setText("Play");

jLabel3.setFont(new java.awt.Font("Nyala", 0, 14)); // NOI18N
jLabel3.setText("Question");

ques.setEditable(false);
ques.setColumns(20);
ques.setLineWrap(true);
ques.setRows(5);
jScrollPane1.setViewportView(ques);

jButton4.setFont(new java.awt.Font("Nyala", 0, 14)); // NOI18N
jButton4.setText("submit");

```

```

jButton4.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton4ActionPerformed(evt);
    }
});

```

```

jButton5.setFont(new java.awt.Font("Nyala", 0, 14)); // NOI18N
jButton5.setText("back");
jButton5.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton5ActionPerformed(evt);
    }
});

```

```

jButton6.setFont(new java.awt.Font("Nyala", 0, 14)); // NOI18N
jButton6.setText("exit");
jButton6.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton6ActionPerformed(evt);
    }
});

```

```

buttonGroup1.add(ans1);
ans1.setFont(new java.awt.Font("Nyala", 0, 12)); // NOI18N

```

```

buttonGroup1.add(ans2);
ans2.setFont(new java.awt.Font("Nyala", 0, 12)); // NOI18N

```

```

buttonGroup1.add(ans3);
ans3.setFont(new java.awt.Font("Nyala", 0, 12)); // NOI18N

```

```

buttonGroup1.add(ans4);
ans4.setFont(new java.awt.Font("Nyala", 0, 12)); // NOI18N

```

```

javax.swing.GroupLayout playLayout = new javax.swing.GroupLayout(play.getContentPane());
play.getContentPane().setLayout(playLayout);
playLayout.setHorizontalGroup(
    playLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, playLayout.createSequentialGroup()
            .addContainerGap()
            .addGroup(playLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
                .addComponent(jLabel2, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

```



```

        .addGroup(playLayout.createSequentialGroup())
        .addComponent(jLabel3)
        .addGap(18, 18, 18)
        .addComponent(jScrollPane1, javax.swing.GroupLayout.DEFAULT_SIZE, 316, Short.MAX_VALUE))
    .addGroup(playLayout.createSequentialGroup())
        .addGroup(playLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)
            .addComponent(ans3, javax.swing.GroupLayout.DEFAULT_SIZE, 144, Short.MAX_VALUE)
            .addComponent(ans1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addGroup(playLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)
            .addComponent(ans2, javax.swing.GroupLayout.DEFAULT_SIZE, 161, Short.MAX_VALUE)
            .addComponent(ans4, javax.swing.GroupLayout.Alignment.LEADING,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
        .addGap(29, 29, 29))
    .addGroup(playLayout.createSequentialGroup())
        .addComponent(jButton4, javax.swing.GroupLayout.PREFERRED_SIZE, 102,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
        .addComponent(jButton5, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
        .addComponent(jButton6, javax.swing.GroupLayout.PREFERRED_SIZE, 118,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(25, 25, 25)))
    .addContainerGap())
);
playLayout.setVerticalGroup(
    playLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(playLayout.createSequentialGroup())
        .addContainerGap()
        .addComponent(jLabel2)
        .addGap(18, 18, 18)
        .addGroup(playLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jLabel3)
            .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(33, 33, 33)
        .addGroup(playLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(ans1)
            .addGroup(playLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(ans2)))
        .addGap(28, 28, 28)
        .addGroup(playLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

```

```

        .addComponent(ans3)
        .addComponent(ans4))
    .addGap(6, 6, 6)
    .addGroup(playLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jButton4)
        .addComponent(jButton5)
        .addComponent(jButton6))
    .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
);

```

```

admin.setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
admin.setMinimumSize(new java.awt.Dimension(390, 165));
admin.setResizable(false);

```

```

jButton7.setFont(new java.awt.Font("Nyala", 0, 14)); // NOI18N
jButton7.setText("add");
jButton7.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton7ActionPerformed(evt);
    }
});

```

```

jButton8.setFont(new java.awt.Font("Nyala", 0, 14)); // NOI18N
jButton8.setText("delete");
jButton8.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton8ActionPerformed(evt);
    }
});

```

```

jButton9.setFont(new java.awt.Font("Nyala", 0, 14)); // NOI18N
jButton9.setText("change");
jButton9.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton9ActionPerformed(evt);
    }
});

```

```

jButton10.setFont(new java.awt.Font("Nyala", 0, 14)); // NOI18N
jButton10.setText("back");
jButton10.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton10ActionPerformed(evt);
    }
});

```

```

    }
});

```

```

jButton11.setFont(new java.awt.Font("Nyala", 0, 14)); // NOI18N
jButton11.setText("exit");
jButton11.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton11ActionPerformed(evt);
    }
});

```

```

javax.swing.GroupLayout adminLayout = new javax.swing.GroupLayout(admin.getContentPane());
admin.getContentPane().setLayout(adminLayout);
adminLayout.setHorizontalGroup(
    adminLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(adminLayout.createSequentialGroup()
            .addGap(11, 11, 11)
            .addGroup(adminLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
                .addComponent(jButton7, javax.swing.GroupLayout.DEFAULT_SIZE,
                    javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addComponent(jButton8, javax.swing.GroupLayout.DEFAULT_SIZE,
                    javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addComponent(jButton9, javax.swing.GroupLayout.Alignment.LEADING,
                    javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addGroup(adminLayout.createSequentialGroup()
                    .addComponent(jButton10, javax.swing.GroupLayout.PREFERRED_SIZE, 180,
                        javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGap(11, 11, 11)
                    .addComponent(jButton11, javax.swing.GroupLayout.PREFERRED_SIZE, 178,
                        javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGap(11, 11, 11))
            .addContainerGap(11, true))
);
adminLayout.setVerticalGroup(
    adminLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(adminLayout.createSequentialGroup()
            .addGap(11, 11, 11)
            .addComponent(jButton7)
            .addGap(11, 11, 11)
            .addComponent(jButton8)
            .addGap(11, 11, 11)
            .addComponent(jButton9)
            .addGap(11, 11, 11)
            .addComponent(jButton10)
            .addContainerGap(11, true))
);

```

```

        .addComponent(jButton11))
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
    );

    add.setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
    add.setMinimumSize(new java.awt.Dimension(400, 290));

    jLabel4.setFont(new java.awt.Font("Nyala", 0, 12)); // NOI18N
    jLabel4.setText("Question");

    quest.setColumns(20);
    quest.setRows(5);
    jScrollPane2.setViewportView(quest);

    jLabel5.setFont(new java.awt.Font("Nyala", 0, 12)); // NOI18N
    jLabel5.setText("Option 1");

    jLabel6.setFont(new java.awt.Font("Nyala", 0, 12)); // NOI18N
    jLabel6.setText("Option 2");

    jLabel7.setFont(new java.awt.Font("Nyala", 0, 12)); // NOI18N
    jLabel7.setText("Option 3");

    jLabel8.setFont(new java.awt.Font("Nyala", 0, 12)); // NOI18N
    jLabel8.setText("Option 4");

    opt1.setFont(new java.awt.Font("Nyala", 0, 12)); // NOI18N

    opt2.setFont(new java.awt.Font("Nyala", 0, 12)); // NOI18N

    opt3.setFont(new java.awt.Font("Nyala", 0, 12)); // NOI18N

    opt4.setFont(new java.awt.Font("Nyala", 0, 12)); // NOI18N

    ans.setFont(new java.awt.Font("Nyala", 0, 14)); // NOI18N
    ans.setModel(new javax.swing.DefaultComboBoxModel(new String[] { "Option 1", "Option 2", "Option 3",
"Option 4" }));

    jButton12.setFont(new java.awt.Font("Nyala", 0, 14)); // NOI18N
    jButton12.setText("Add");
    jButton12.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jButton12ActionPerformed(evt);

```

```

    }
});

```

```

jButton13.setFont(new java.awt.Font("Nyala", 0, 14)); // NOI18N
jButton13.setText("Back");
jButton13.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton13ActionPerformed(evt);
    }
});

```

```

jButton14.setFont(new java.awt.Font("Nyala", 0, 14)); // NOI18N
jButton14.setText("Exit");
jButton14.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton14ActionPerformed(evt);
    }
});

```

```

jButton24.setText("Clear");
jButton24.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton24ActionPerformed(evt);
    }
});

```

```

javax.swing.GroupLayout addLayout = new javax.swing.GroupLayout(add.getContentPane());
add.getContentPane().setLayout(addLayout);
addLayout.setHorizontalGroup(
    addLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(addLayout.createSequentialGroup()
            .addContainerGap()
            .addGroup(addLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(addLayout.createSequentialGroup()
                    .addGroup(addLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                        .addGroup(addLayout.createSequentialGroup()
                            .addComponent(jLabel5)
                            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                            .addComponent(opt1, javax.swing.GroupLayout.PREFERRED_SIZE, 93,
                                javax.swing.GroupLayout.PREFERRED_SIZE))
                        .addGroup(addLayout.createSequentialGroup()

```

```

        .addComponent(jLabel7)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(opt3, javax.swing.GroupLayout.PREFERRED_SIZE, 91,
javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addGap(69, 69, 69)
        .addGroup(addLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
            .addGroup(addLayout.createSequentialGroup()
                .addComponent(jLabel6)
                .addGap(18, 18, 18)
                .addComponent(opt2))
            .addGroup(addLayout.createSequentialGroup()
                .addComponent(jLabel8)
                .addGap(18, 18, 18)
                .addGroup(addLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING,
false)
                    .addComponent(jButton24, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                    .addComponent(opt4, javax.swing.GroupLayout.DEFAULT_SIZE, 92, Short.MAX_VALUE))))
            .addGap(0, 0, Short.MAX_VALUE))
        .addGroup(addLayout.createSequentialGroup()
            .addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED_SIZE, 95,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addComponent(jScrollPane2)))
        .addContainerGap()
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, addLayout.createSequentialGroup()
            .addGroup(addLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
                .addGroup(addLayout.createSequentialGroup()
                    .addGap(0, 0, Short.MAX_VALUE)
                    .addComponent(ans, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGap(65, 65, 65))
                .addGroup(addLayout.createSequentialGroup()
                    .addComponent(jButton13, javax.swing.GroupLayout.PREFERRED_SIZE, 92,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGap(36, 36, 36)
                    .addComponent(jButton12, javax.swing.GroupLayout.PREFERRED_SIZE, 110,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 40,
Short.MAX_VALUE)))
                .addComponent(jButton14, javax.swing.GroupLayout.PREFERRED_SIZE, 89,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(23, 23, 23))))
    );
    addLayout.setVerticalGroup(

```

```

addLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(addLayout.createSequentialGroup()
.addContainerGap()
.addGroup(addLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addComponent(jScrollPane2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
.addComponent(jLabel4))
.addGap(23, 23, 23)
.addGroup(addLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
.addComponent(jLabel5)
.addComponent(jLabel6)
.addComponent(opt1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
.addComponent(opt2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
.addGroup(addLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
.addComponent(jLabel8)
.addComponent(jLabel7)
.addComponent(opt3, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
.addComponent(opt4, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
.addGroup(addLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
.addComponent(ans, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
.addComponent(jButton24))
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED, 20, Short.MAX_VALUE)
.addGroup(addLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
.addComponent(jButton12)
.addComponent(jButton13)
.addComponent(jButton14))
.addContainerGap()
);

delete.setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
delete.setMinimumSize(new java.awt.Dimension(370, 295));

no1.setFont(new java.awt.Font("Nyala", 0, 12)); // NOI18N

jLabel9.setFont(new java.awt.Font("Nyala", 0, 12)); // NOI18N
jLabel9.setText("Sno.");

jButton15.setFont(new java.awt.Font("Nyala", 0, 14)); // NOI18N

```

```

jButton16.setFont(new java.awt.Font("Nyala", 0, 14)); // NOI18N
jButton16.setText("View table");
jButton16.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton16ActionPerformed(evt);
    }
});

```

```

jButton17.setFont(new java.awt.Font("Nyala", 0, 14)); // NOI18N
jButton17.setText("Back");
jButton17.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton17ActionPerformed(evt);
    }
});

```

```
javax.swing.GroupLayout deleteLayout = new javax.swing.GroupLayout(delete.getContentPane());  
delete.getContentPane().setLayout(deleteLayout);  
deleteLayout.setHorizontalGroup(  
    deleteLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)  
        .addGroup(deleteLayout.createSequentialGroup()  
            .addGroup(deleteLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)  
                .addGroup(deleteLayout.createSequentialGroup()  
                    .addGap(15, 15, 15)
```



```

        .addComponent(jLabel9)
        .addGap(43, 43, 43)
        .addComponent(no1))
    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, deleteLayout.createSequentialGroup())
    .addContainerGap()
    .addGroup(deleteLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, deleteLayout.createSequentialGroup())
        .addComponent(jButton17, javax.swing.GroupLayout.PREFERRED_SIZE, 123,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(jButton18, javax.swing.GroupLayout.PREFERRED_SIZE, 122,
javax.swing.GroupLayout.PREFERRED_SIZE))
    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, deleteLayout.createSequentialGroup())
    .addGap(0, 2, Short.MAX_VALUE)
    .addGroup(deleteLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jScrollPane3, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, 300, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
deleteLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
        .addComponent(jButton16, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.DEFAULT_SIZE, 298, Short.MAX_VALUE)
        .addComponent(jButton15, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))))))
    .addContainerGap()
);
deleteLayout.setVerticalGroup(
    deleteLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(deleteLayout.createSequentialGroup())
    .addContainerGap()
    .addGroup(deleteLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(no1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel9))
    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 13, Short.MAX_VALUE)
    .addComponent(jButton15)
    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
    .addComponent(jButton16)
    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
    .addComponent(jScrollPane3, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
    .addGap(18, 18, 18)
    .addGroup(deleteLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jButton18)
        .addComponent(jButton17))

```

```
.addContainerGap()
);

change.setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
change.setFocusTraversalPolicyProvider(true);
change.setMinimumSize(new java.awt.Dimension(400, 500));

jLabel16.setFont(new java.awt.Font("Nyala", 0, 12)); // NOI18N
jLabel16.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
jLabel16.setText("OPTION A");

ssnnoo.setFont(new java.awt.Font("Nyala", 0, 12)); // NOI18N
ssnnoo.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        ssnnooActionPerformed(evt);
    }
});

jLabel17.setFont(new java.awt.Font("Nyala", 0, 12)); // NOI18N
jLabel17.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
jLabel17.setText("OPTION C");

jLabel10.setFont(new java.awt.Font("Nyala", 0, 12)); // NOI18N
jLabel10.setText("SNO");

cor.setFont(new java.awt.Font("Nyala", 0, 14)); // NOI18N
cor.setModel(new javax.swing.DefaultComboBoxModel(new String[] { "OPTION 1", "OPTION 2", "OPTION 3",
"OPTION 4" }));

opp1.setFont(new java.awt.Font("Nyala", 0, 12)); // NOI18N

jLabel14.setFont(new java.awt.Font("Nyala", 0, 12)); // NOI18N
jLabel14.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
jLabel14.setText("OPTION D");

jLabel15.setFont(new java.awt.Font("Nyala", 0, 12)); // NOI18N
jLabel15.setText("CORRECT");

jLabel13.setFont(new java.awt.Font("Nyala", 0, 12)); // NOI18N
jLabel13.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
jLabel13.setText("OPTION B");

opp4.setFont(new java.awt.Font("Nyala", 0, 12)); // NOI18N
```

```
opp3.setFont(new java.awt.Font("Nyala", 0, 12)); // NOI18N
```

```
jLabel18.setFont(new java.awt.Font("Nyala", 0, 12)); // NOI18N  
jLabel18.setText("Correct Option");
```

```
opp2.setFont(new java.awt.Font("Nyala", 0, 12)); // NOI18N
```

```
ques3.setColumns(20);  
ques3.setRows(5);  
jScrollPane4.setViewportViewView(ques3);
```

```
jLabel12.setFont(new java.awt.Font("Nyala", 0, 12)); // NOI18N  
jLabel12.setText("Question");
```

```
annss.setEditable(false);  
annss.setFont(new java.awt.Font("Nyala", 0, 12)); // NOI18N  
annss.setHorizontalAlignment(javax.swing.JTextField.CENTER);
```

```
jButton19.setFont(new java.awt.Font("Nyala", 0, 14)); // NOI18N  
jButton19.setText("UPDATE");  
jButton19.addActionListener(new java.awt.event.ActionListener() {  
    public void actionPerformed(java.awt.event.ActionEvent evt) {  
        jButton19ActionPerformed(evt);  
    }  
});
```

```
jButton20.setFont(new java.awt.Font("Nyala", 0, 14)); // NOI18N  
jButton20.setText("EXIT");  
jButton20.addActionListener(new java.awt.event.ActionListener() {  
    public void actionPerformed(java.awt.event.ActionEvent evt) {  
        jButton20ActionPerformed(evt);  
    }  
});
```

```
table2.setColumns(20);  
table2.setRows(5);  
jScrollPane5.setViewportViewView(table2);
```

```
jButton21.setFont(new java.awt.Font("Nyala", 0, 14)); // NOI18N  
jButton21.setText("BACK");  
jButton21.addActionListener(new java.awt.event.ActionListener() {  
    public void actionPerformed(java.awt.event.ActionEvent evt) {
```

```

        jButton21ActionPerformed(evt);
    }
});

```

```

jButton22.setFont(new java.awt.Font("Nyala", 0, 14)); // NOI18N
jButton22.setText("View Table");
jButton22.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton22ActionPerformed(evt);
    }
});

```

```

javax.swing.GroupLayout changeLayout = new javax.swing.GroupLayout(change.getContentPane());
change.getContentPane().setLayout(changeLayout);
changeLayout.setHorizontalGroup(
    changeLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(changeLayout.createSequentialGroup()
            .addGroup(changeLayout.createSequentialGroup()
                .addContainerGap()
                .addGroup(changeLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(jButton19, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                    .addComponent(jScrollPane5)
                    .addComponent(jButton22, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                    .addGroup(changeLayout.createSequentialGroup()
                        .addGroup(changeLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                            .addGroup(changeLayout.createSequentialGroup()
                                .addGroup(changeLayout.createSequentialGroup()
                                    .addGroup(changeLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                                        .addComponent(jLabel17, javax.swing.GroupLayout.PREFERRED_SIZE, 101,
javax.swing.GroupLayout.PREFERRED_SIZE)
                                        .addComponent(opp3, javax.swing.GroupLayout.PREFERRED_SIZE, 101,
javax.swing.GroupLayout.PREFERRED_SIZE))
                                .addGroup(changeLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                                    .addGroup(changeLayout.createSequentialGroup()
                                        .addGroup(changeLayout.createSequentialGroup()
                                            .addGap(35, 35, 35)
                                            .addComponent(jLabel18))
                                        .addGroup(changeLayout.createSequentialGroup()
                                            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                                            .addComponent(annss, javax.swing.GroupLayout.PREFERRED_SIZE, 132,
javax.swing.GroupLayout.PREFERRED_SIZE))))
                                .addGroup(changeLayout.createSequentialGroup()
                                    .addGroup(changeLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING,
false)
                                        .addComponent(jLabel16, javax.swing.GroupLayout.Alignment.LEADING,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

```

```

        .addComponent(opp1, javax.swing.GroupLayout.Alignment.LEADING,
javax.swing.GroupLayout.PREFERRED_SIZE, 101, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(35, 35, 35)
        .addGroup(changeLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
        .addGroup(changeLayout.createSequentialGroup()
        .addComponent(jLabel15)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 13,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addComponent(cor, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addGroup(changeLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
changeLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)
        .addComponent(jLabel13, javax.swing.GroupLayout.Alignment.LEADING,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(opp2, javax.swing.GroupLayout.Alignment.LEADING,
javax.swing.GroupLayout.PREFERRED_SIZE, 101, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
changeLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)
        .addComponent(jLabel14, javax.swing.GroupLayout.Alignment.LEADING,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(opp4, javax.swing.GroupLayout.Alignment.LEADING,
javax.swing.GroupLayout.PREFERRED_SIZE, 101, javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addGroup(changeLayout.createSequentialGroup())
        .addComponent(jButton21, javax.swing.GroupLayout.PREFERRED_SIZE, 165,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
        .addComponent(jButton20, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
        .addGroup(changeLayout.createSequentialGroup())
        .addGroup(changeLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jLabel12)
        .addComponent(jLabel10))
        .addGap(18, 18, 18)
        .addGroup(changeLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
        .addComponent(ssnnoo)
        .addComponent(jScrollPane4, javax.swing.GroupLayout.DEFAULT_SIZE, 285, Short.MAX_VALUE))
        .addGap(0, 0, Short.MAX_VALUE)))
        .addContainerGap()
    );
    changeLayout.setVerticalGroup(
        changeLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(changeLayout.createSequentialGroup()
        .addContainerGap()

```

```

        .addGroup(changeLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(jLabel10)
            .addComponent(ssnnoo, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
        .addGroup(changeLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jLabel12)
            .addComponent(jScrollPane4, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
        .addGroup(changeLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(changeLayout.createSequentialGroup())
                .addComponent(jLabel16)
                .addGap(4, 4, 4)
                .addComponent(opp1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGroup(changeLayout.createSequentialGroup())
                .addComponent(jLabel13)
                .addGap(4, 4, 4)
                .addComponent(opp2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGroup(changeLayout.createSequentialGroup())
                .addComponent(jLabel15)
                .addGap(7, 7, 7)
                .addComponent(cor, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addGap(18, 18, 18)
        .addGroup(changeLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jLabel14)
            .addComponent(jLabel17)
            .addComponent(jLabel18))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addGroup(changeLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(opp4, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(opp3, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(annss, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(jButton19)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(jButton22)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

```

```

        .addComponent(jScrollPane5, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addGroup(changeLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(jButton21)
            .addComponent(jButton20))
        .addGap(7, 7, 7))
    );

```

```

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
setMinimumSize(new java.awt.Dimension(410, 200));
addWindowListener(new java.awt.event.WindowAdapter() {
    public void windowOpened(java.awt.event.WindowEvent evt) {
        formWindowOpened(evt);
    }
});
getContentPane().setLayout(null);

```

```

jLabel1.setFont(new java.awt.Font("Cambria", 0, 24)); // NOI18N
jLabel1.setForeground(new java.awt.Color(255, 255, 255));
jLabel1.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
jLabel1.setText("QUIZ");
getContentPane().add(jLabel1);
jLabel1.setBounds(10, 11, 380, 48);

```

```

jButton1.setFont(new java.awt.Font("Nyala", 0, 14)); // NOI18N
jButton1.setText("play");
jButton1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton1ActionPerformed(evt);
    }
});
getContentPane().add(jButton1);
jButton1.setBounds(10, 65, 380, 25);

```

```

jButton2.setFont(new java.awt.Font("Nyala", 0, 14)); // NOI18N
jButton2.setText("configure quiz database");
jButton2.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton2ActionPerformed(evt);
    }
});
getContentPane().add(jButton2);

```

```

jButton2.setBounds(10, 96, 380, 25);

jButton3.setFont(new java.awt.Font("Nyala", 0, 14)); // NOI18N
jButton3.setText("exit");
jButton3.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton3ActionPerformed(evt);
    }
});
getContentPane().add(jButton3);
jButton3.setBounds(10, 127, 380, 25);
getContentPane().add(pic1);
pic1.setBounds(0, 0, 400, 160);

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

```

# User Defined Functions:

```

ResultSet dml(String a)
{
    ResultSet rs=null;
    try
    {
        Class.forName("java.sql.DriverManager");
        Connection con=(Connection)DriverManager.getConnection("jdbc:mysql://localhost:3306/quiz","root","dav");
        Statement stat=(Statement)con.createStatement();
        rs=stat.executeQuery(a);
    }
    catch(Exception e)
    {
        JOptionPane.showMessageDialog(null, e.getMessage());
    }
    return rs;
}

void ddl(String a)
{
    try
    {

```



```

Class.forName("java.sql.DriverManager");
Connection con=(Connection)DriverManager.getConnection("jdbc:mysql://localhost:3306/quiz","root","dav");
Statement stat=(Statement)con.createStatement();
stat.executeUpdate(a);
}
catch(Exception e)
{
JOptionPane.showMessageDialog(null, e.getMessage());
}
}

void exit()
{
    admin.dispose();
    play.dispose();
    System.exit(0);
}

void givequestion()
{
    ResultSet f=dml("select * from ques where sno="+g);
    try{
        while(f.next()){
            ques.setText(f.getString("questions"));
            ans1.setText(f.getString("a"));
            ans2.setText(f.getString("b"));
            ans3.setText(f.getString("c"));
            ans4.setText(f.getString("d"));
        }
    }
    catch(Exception e)
    {
        JOptionPane.showMessageDialog(null,e.getMessage());
    }
}

int count()
{
    int a=0;
    ResultSet b=dml("select count(sno) \"a\" from ques");
    try{while(b.next())
    {
        a=b.getInt("a");
    }
}
}

```

```

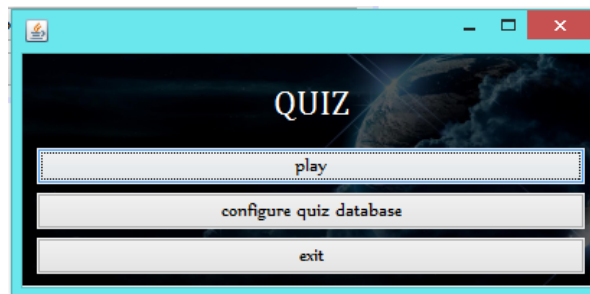
catch(Exception e)
{
    JOptionPane.showMessageDialog(null,e.getMessage());
}
return a;
}

void setpic(String a,JLabel d)
{
    ImageIcon image = new ImageIcon(a);
    Image simage = image.getImage().getScaledInstance(d.getWidth(),d.getHeight(), Image.SCALE_SMOOTH);
    d.setIcon(new ImageIcon(simage));
}

int g=1;
int score=0;

```

## Main Frame:



## Windows Opened:

```

private void formWindowOpened(java.awt.event.WindowEvent evt) {
    setpic("G:/pic/16.jpg",pic1);
}

```

## Play Button:

```

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    this.setVisible(false);
    play.setSize(400,320);
    play.setVisible(true);
}

```

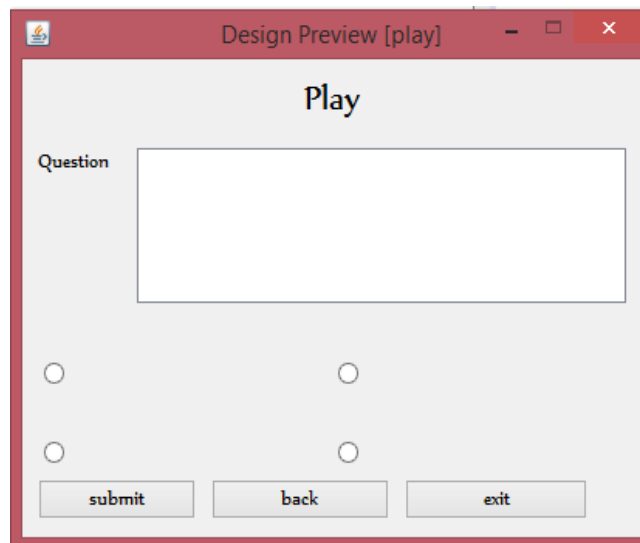
## Configure Quiz Database:

```
private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
this.setVisible(false);
admin.setVisible(true);
}
```

## Exit Button:

```
private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
exit();
}
```

# Play Frame:



## Submit Button:

```
private void jButton4ActionPerformed(java.awt.event.ActionEvent evt) {
String a="";
    ResultSet h=dml("select * from ques where sno="+g);
    g++;
try
{
    while(h.next())
    {
        a=h.getString("opt");
        if(ans1.isSelected())
        {
```

```
if(ans1.getText().equals(h.getString(a)))
{
JOptionPane.showMessageDialog(null,"Your answer is correct");
score++;}
else
{
JOptionPane.showMessageDialog(null,"Your answer is wrong\ncorrect answer is "+h.getString(a));
}
}
if(ans2.isSelected())
{
if(ans2.getText().equals(h.getString(a)))
{
JOptionPane.showMessageDialog(null,"Your answer is correct");
score++;
}
else
{
JOptionPane.showMessageDialog(null,"Your answer is wrong\ncorrect answer is "+h.getString(a));
}
}
if(ans3.isSelected())
{
if(ans3.getText().equals(h.getString(a)))
{
JOptionPane.showMessageDialog(null,"Your answer is correct");
score++;
}
else
{
JOptionPane.showMessageDialog(null,"Your answer is wrong\ncorrect answer is "+h.getString(a));
}
}
if(ans4.isSelected())
{
if(ans4.getText().equals(h.getString(a)))
{
JOptionPane.showMessageDialog(null,"Your answer is correct");
score++;
}
else
{
JOptionPane.showMessageDialog(null,"Your answer is wrong\ncorrect answer is "+h.getString(a));
```

```

    }
    }
}
}catch(Exception e)
{
JOptionPane.showMessageDialog(null,e.getMessage());
}
if(g<=count())
{
givequestion();
}
else
{
JOptionPane.showMessageDialog(null, score+"/"+count());
}
}

```

## Back Button:

```

private void jButton5ActionPerformed(java.awt.event.ActionEvent evt) {
g=0;
    play.setVisible(false);
play.dispose();
this.setVisible(true);
}

```

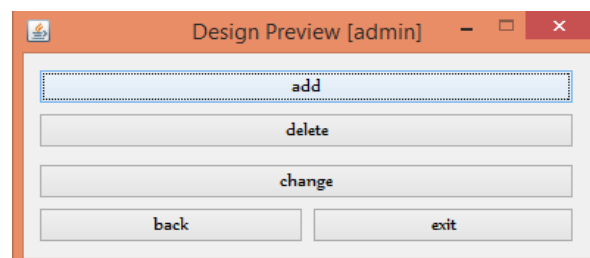
## Exit Button:

```

private void jButton6ActionPerformed(java.awt.event.ActionEvent evt) {
exit();
}

```

# Admin Frame:



## Add Button:

```
private void jButton7ActionPerformed(java.awt.event.ActionEvent evt) {
    admin.setVisible(false);
    admin.dispose();
    add.setVisible(true);
}
```

## Delete Button:

```
private void jButton8ActionPerformed(java.awt.event.ActionEvent evt) {
    admin.setVisible(false);
    admin.dispose();
    delete.setVisible(true);
}
```

## Change Button:

```
private void jButton9ActionPerformed(java.awt.event.ActionEvent evt) {
    admin.setVisible(false);
    admin.dispose();
    change.setVisible(true);
}
```

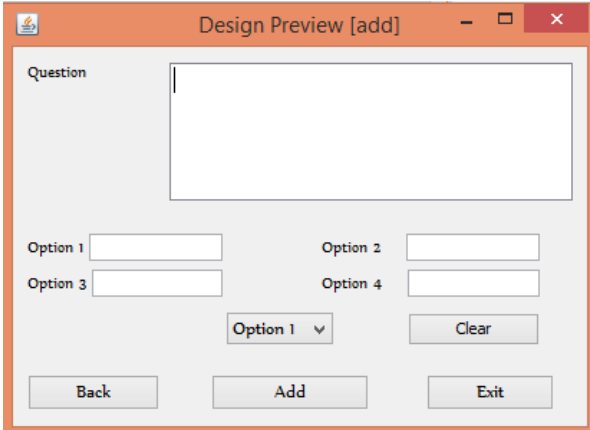
## Back Button:

```
private void jButton10ActionPerformed(java.awt.event.ActionEvent evt) {
    admin.setVisible(false);
    admin.dispose();
    this.setVisible(true);
}
```

## Exit Button:

```
private void jButton11ActionPerformed(java.awt.event.ActionEvent evt) {
    exit();
}
```

# Add Frame:



The image shows a 'Design Preview' window titled 'Design Preview [add]'. It contains a form with the following elements:

- A 'Question' label followed by a large text input field.
- Four 'Option' labels (Option 1, Option 2, Option 3, Option 4) each followed by a text input field.
- A dropdown menu labeled 'Option 1'.
- A 'Clear' button.
- Three buttons at the bottom: 'Back', 'Add', and 'Exit'.

## Add Button:

```
private void jButton12ActionPerformed(java.awt.event.ActionEvent evt) {
    String d="";
    switch(ans.getSelectedIndex())
    {
        case 0:d="a";break;
        case 1:d="b";break;
        case 2:d="c";break;
        case 3:d="d";break;
    }

    if(quest.getText().isEmpty() || opt1.getText().isEmpty() || opt2.getText().isEmpty() || opt3.getText().isEmpty() ||
    opt4.getText().isEmpty() )
    {
        JOptionPane.showMessageDialog(null,"sorry some field is empty ,please write the information ");
    }
    else{
        String a="insert into ques
values("+(count()+1)+"','"+quest.getText()+"','"+opt1.getText()+"','"+opt2.getText()+"','"+opt3.getText()+"'"+
','"+opt4.getText()+"','"+d+"')";
        ddl(a);
        JOptionPane.showMessageDialog(null,"YOUR DATA IS ENTERED SUCCESSFULLY");
    }
}
```

## Back Button:

```
private void jButton13ActionPerformed(java.awt.event.ActionEvent evt) {
    add.setVisible(false);
    add.dispose();
    admin.setVisible(true);
}
```

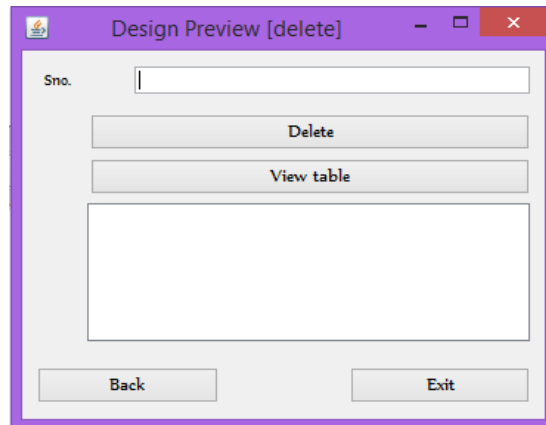
## Clear Button:

```
private void jButton24ActionPerformed(java.awt.event.ActionEvent evt) {
    quest.setText("");
    opt1.setText("");
    opt2.setText("");
    opt3.setText("");
    opt4.setText("");
}
```

## Exit Button:

```
private void jButton14ActionPerformed(java.awt.event.ActionEvent evt) {
    exit();
}
```

## Delete Frame:



## Delete Button:

```
if(!no1.getText().equals(""))
{
    String a="Delete from ques where sno="+Integer.parseInt(no1.getText());
    JOptionPane.showMessageDialog(null,"DATA deleted successfully", "sucess", 1);
    ddl(a);
}
}
```

## View Table Button:

```
private void jButton16ActionPerformed(java.awt.event.ActionEvent evt) {
    table1.setText("");
    String a="select * from ques";
    ResultSet d=dml(a);
    try
    {
        while(d.next())
        {
            table1.append("Question Number - "+d.getInt("sno")+"\n");
            table1.append("Question - "+d.getString("questions")+"\n"+"-----"+"");
            table1.append("Option 1 - "+d.getString("a")+"\n");
            table1.append("Option 2 - "+d.getString("b")+"\n");
        }
    }
}
```



```

        table1.append("Option 3 - "+d.getString("c")+"\n");
        table1.append("Option 4 - "+d.getString("d")+"\n");
        table1.append("Correct Option - "+d.getString("opt")+"\n");
        table1.append("-----");
    }
}
catch(Exception e){
    JOptionPane.showMessageDialog(null,e.getMessage());
}
}

```

## Back Button:

```

private void jButton17ActionPerformed(java.awt.event.ActionEvent evt) {
    delete.setVisible(false);
    delete.dispose();
    admin.setVisible(true);
}

```

## Exit Button:

```

private void jButton18ActionPerformed(java.awt.event.ActionEvent evt) {
    exit();
}

```

# Change Frame:

The image shows a Java Swing window titled "Design Preview [change]". The window contains a form with the following elements:

- A text field labeled "SNO".
- A large text area labeled "Question".
- Four text fields labeled "OPTION A", "OPTION B", "OPTION C", and "OPTION D".
- A dropdown menu labeled "CORRECT" with "OPTION 1" selected.
- A text field labeled "Correct Option".
- An "UPDATE" button.
- A "View Table" button.
- A large empty rectangular area.
- "BACK" and "EXIT" buttons at the bottom.

## SNO Text Field:

```
private void ssnnooActionPerformed(java.awt.event.ActionEvent evt) {
String a="select * from ques where sno="+Integer.parseInt(ssnnoo.getText());
ResultSet d=dml(a);
try
{
    while(d.next())
    {
ques3.setText(d.getString("questions"));
opp1.setText(d.getString("a"));
opp2.setText(d.getString("b"));
opp3.setText(d.getString("c"));
opp4.setText(d.getString("d"));
annss.setText(d.getString("opt"));
    }
}
catch(Exception e)
{
JOptionPane.showMessageDialog(null,e.getMessage());
}
}
```

## Update Button:

```
private void jButton19ActionPerformed(java.awt.event.ActionEvent evt) {
String q="";
switch(cor.getSelectedIndex())
{
case 0:q="a";break;
case 1:q="b";break;
case 2:q="c";break;
case 3:q="d";break;
}
if(ques3.getText().isEmpty() || opp1.getText().isEmpty() || opp2.getText().isEmpty() || opp3.getText().isEmpty()
|| opp4.getText().isEmpty() )
{
JOptionPane.showMessageDialog(null,"sorry some field is empty ,please write the information ");
}
else{
String a="update ques set questions='"+ques3.getText()+"\' where sno="+Integer.parseInt(ssnnoo.getText());
String b="update ques set a='"+opp1.getText()+"\' where sno="+Integer.parseInt(ssnnoo.getText());
String c="update ques set b='"+opp2.getText()+"\' where sno="+Integer.parseInt(ssnnoo.getText());
String d="update ques set c='"+opp3.getText()+"\' where sno="+Integer.parseInt(ssnnoo.getText());
}
```

```

String e="update ques set d=\""+opp4.getText()+"\" where sno="+Integer.parseInt(ssnnoo.getText());
String f="update ques set opt=\""+q+"\" where sno="+Integer.parseInt(ssnnoo.getText());
ddl(a);ddl(b);ddl(c);ddl(d);ddl(e);ddl(f);
JOptionPane.showMessageDialog(null,"YOUR DATA IS UPDATED SUCCESSFULLY");
}
}

```

## View Table Button:

```

private void jButton22ActionPerformed(java.awt.event.ActionEvent evt) {
table2.setText("");
String a="select * from ques";
ResultSet d=dml(a);
try
{
while(d.next())
{
table2.append("Question Number - "+d.getInt("sno")+"\n");
table2.append("Question - "+d.getString("questions")+"\n"+"-----"+"\\n");
table2.append("Option 1 - "+d.getString("a")+"\n");
table2.append("Option 2 - "+d.getString("b")+"\n");
table2.append("Option 3 - "+d.getString("c")+"\n");
table2.append("Option 4 - "+d.getString("d")+"\n");
table2.append("Correct Option - "+d.getString("opt")+"\n");
table2.append("-----");
}
}
catch(Exception e){
JOptionPane.showMessageDialog(null,e.getMessage());
}
}

```

## Back Button:

```

private void jButton21ActionPerformed(java.awt.event.ActionEvent evt) {
change.setVisible(false);
change.dispose();
admin.setVisible(true);
}

```

## Exit Button:

```
private void jButton20ActionPerformed(java.awt.event.ActionEvent evt) {
    exit();
}
```

# Netbeans Generated Code:

```
public static void main(String args[]) {
    try {
        for (javax.swing.UIManager.LookAndFeelInfo info : javax.swing.UIManager.getInstalledLookAndFeels()) {
            if ("Windows".equals(info.getName())) {
                javax.swing.UIManager.setLookAndFeel(info.getClassName());
                break;
            }
        }
    } catch (ClassNotFoundException ex) {
        java.util.logging.Logger.getLogger(kbc.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (InstantiationException ex) {
        java.util.logging.Logger.getLogger(kbc.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (IllegalAccessException ex) {
        java.util.logging.Logger.getLogger(kbc.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {
        java.util.logging.Logger.getLogger(kbc.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    }
    java.awt.EventQueue.invokeLater(new Runnable() {
        public void run() {
            new kbc().setVisible(true);
        }
    });
}

// Variables declaration - do not modify
private javax.swing.JFrame add;
private javax.swing.JFrame admin;
private javax.swing.JTextField annss;
private javax.swing.JComboBox ans;
private javax.swing.JRadioButton ans1;
private javax.swing.JRadioButton ans2;
private javax.swing.JRadioButton ans3;
private javax.swing.JRadioButton ans4;
private javax.swing.ButtonGroup buttonGroup1;
private javax.swing.JFrame change;
```

```
private javax.swing.JComboBox cor;  
private javax.swing.JFrame delete;  
private javax.swing.JButton jButton1;  
private javax.swing.JButton jButton10;  
private javax.swing.JButton jButton11;  
private javax.swing.JButton jButton12;  
private javax.swing.JButton jButton13;  
private javax.swing.JButton jButton14;  
private javax.swing.JButton jButton15;  
private javax.swing.JButton jButton16;  
private javax.swing.JButton jButton17;  
private javax.swing.JButton jButton18;  
private javax.swing.JButton jButton19;  
private javax.swing.JButton jButton2;  
private javax.swing.JButton jButton20;  
private javax.swing.JButton jButton21;  
private javax.swing.JButton jButton22;  
private javax.swing.JButton jButton24;  
private javax.swing.JButton jButton3;  
private javax.swing.JButton jButton4;  
private javax.swing.JButton jButton5;  
private javax.swing.JButton jButton6;  
private javax.swing.JButton jButton7;  
private javax.swing.JButton jButton8;  
private javax.swing.JButton jButton9;  
private javax.swing.JLabel jLabel1;  
private javax.swing.JLabel jLabel10;  
private javax.swing.JLabel jLabel12;  
private javax.swing.JLabel jLabel13;  
private javax.swing.JLabel jLabel14;  
private javax.swing.JLabel jLabel15;  
private javax.swing.JLabel jLabel16;  
private javax.swing.JLabel jLabel17;  
private javax.swing.JLabel jLabel18;  
private javax.swing.JLabel jLabel2;  
private javax.swing.JLabel jLabel3;  
private javax.swing.JLabel jLabel4;  
private javax.swing.JLabel jLabel5;  
private javax.swing.JLabel jLabel6;  
private javax.swing.JLabel jLabel7;  
private javax.swing.JLabel jLabel8;  
private javax.swing.JLabel jLabel9;  
private javax.swing.JScrollPane jScrollPane1;
```

```

private javax.swing.JScrollPane jScrollPane2;
private javax.swing.JScrollPane jScrollPane3;
private javax.swing.JScrollPane jScrollPane4;
private javax.swing.JScrollPane jScrollPane5;
private javax.swing.JTextField no1;
private javax.swing.JTextField opp1;
private javax.swing.JTextField opp2;
private javax.swing.JTextField opp3;
private javax.swing.JTextField opp4;
private javax.swing.JTextField opt1;
private javax.swing.JTextField opt2;
private javax.swing.JTextField opt3;
private javax.swing.JTextField opt4;
private javax.swing.JLabel pic1;
private javax.swing.JFrame play;
private javax.swing.JTextArea ques;
private javax.swing.JTextArea ques3;
private javax.swing.JTextArea quest;
private javax.swing.JTextField ssnnoo;
private javax.swing.JTextArea table1;
private javax.swing.JTextArea table2;
// End of variables declaration
}

```

## Mysql Table:

Field	Type	Null	Key	Default	Extra
sno	int(99)	NO	PRI		
questions	varchar(99)	YES		NULL	
a	varchar(99)	YES		NULL	
b	varchar(99)	YES		NULL	
c	varchar(99)	YES		NULL	
d	varchar(99)	YES		NULL	
opt	enum('a','b','c','d')	YES		NULL	

sno	questions	a	b	c	d	opt
1	How many times Mohammed Ghazni invaded india?	16	17	18	19	b
2	In how many days does the Moon goes round the Earth?	27	30	31	28	a
3	The person who studies the science of water bodies?	Hydrographer	Lexicographer	Scientist	Biographer	a
4	Where is Empire State Building situated?	Rome	Egypt	New York	England	c
5	What was the first Automatic Electronic Computer known as?	RCKL	BIOS	Terminal	ENIAC	d

## Bibliography:

Sources are from NCERT TEXTBOOK, [www.stackoverflow.com](http://www.stackoverflow.com), [www.tutorialspoint.com](http://www.tutorialspoint.com)