

quiz.java

```
1 package listQuiz;
2
3 import java.awt.BorderLayout;
4 import java.awt.event.ActionEvent;
5 import java.awt.event.ActionListener;
6 import java.util.ArrayList;
7
8 import javax.swing.JButton;
9 import javax.swing.JFrame;
10 import javax.swing.JList;
11 import javax.swing.JPanel;
12 import javax.swing.JScrollPane;
13 import javax.swing.JTextField;
14
15 public class quiz extends JFrame{
16     JList list ;
17     JScrollPane sp ;
18     JButton bFire, bHire ;
19     JTextField tf ;
20     String [] names;
21     int Counter ;
22     JPanel p ;
23
24     public quiz () {
25         names = new String [20] ;
26         Counter = 0 ;
27
28         p = new JPanel() ;
29         list = new JList(names) ;
30         sp = new JScrollPane(list) ;
31         tf = new JTextField (10) ;
32         bFire = new JButton("Fire") ;
33         bHire = new JButton("Hire") ;
34
35         p.add(bFire);
36         p.add(tf) ;
37         p.add(bHire);
38
39         bHire.addActionListener(new ActionListener() {
40
41             @Override
42             public void actionPerformed(ActionEvent e) {
43                 if (Counter < 20 && tf.getText() != null){
44                     names[Counter] = tf.getText();
45                     Counter++ ;
46                     list.setListData(names);
47                     System.out.println("Employee has been added successfully");
48                 }
49             }
50         });
51
52         bFire.addActionListener(new ActionListener() {
53
54             @Override
55             public void actionPerformed(ActionEvent e) {
56                 // TODO Auto-generated method stub
57                 if (list.getSelectedIndex() != -1) {
58                     names [list.getSelectedIndex()] = names [Counter] ;
59                     names [Counter] = null ;
```

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60         Counter-- ;
61         list.setListData(names);
62         System.out.println("Employee has been Fired successfully");
63
64     }
65 }
66 });
67
68
69 add (sp, BorderLayout.CENTER) ;
70 add (p , BorderLayout.SOUTH);
71
72 pack() ;
73 setVisible(true);
74 setDefaultCloseOperation(EXIT_ON_CLOSE);
75 }
76
77 public static void main (String [] args) {
78     quiz q = new quiz() ;
79 }
80 }
81
```