1. import java.awt.\*;
2. **import** java.awt.event.\*;
3. **import** javax.swing.JOptionPane;
4. **public** **class** Puzzle **extends** Frame **implements** ActionListener{
5. Button b1,b2,b3,b4,b5,b6,b7,b8,b9;
6. Puzzle(){
7. **super**("Puzzle - JavaTpoint");
8. b1=**new** Button("1");
9. b1.setBounds(50,100,40,40);
10. b2=**new** Button("2");
11. b2.setBounds(100,100,40,40);
12. b3=**new** Button("3");
13. b3.setBounds(150,100,40,40);
14. b4=**new** Button("4");
15. b4.setBounds(50,150,40,40);
16. b5=**new** Button("5");
17. b5.setBounds(100,150,40,40);
18. b6=**new** Button("6");
19. b6.setBounds(150,150,40,40);
20. b7=**new** Button("7");
21. b7.setBounds(50,200,40,40);
22. b8=**new** Button("");
23. b8.setBounds(100,200,40,40);
24. b9=**new** Button("8");
25. b9.setBounds(150,200,40,40);
27. b1.addActionListener(**this**);
28. b2.addActionListener(**this**);
29. b3.addActionListener(**this**);
30. b4.addActionListener(**this**);
31. b5.addActionListener(**this**);
32. b6.addActionListener(**this**);
33. b7.addActionListener(**this**);
34. b8.addActionListener(**this**);
35. b9.addActionListener(**this**);
37. add(b1);add(b2);add(b3);add(b4);add(b5);add(b6);add(b7);add(b8);add(b9);
38. setSize(400,400);
39. setLayout(**null**);
40. setVisible(**true**);
41. }
42. **public** **void** actionPerformed(ActionEvent e){
43. **if**(e.getSource()==b1){
44. String label=b1.getLabel();
45. **if**(b2.getLabel().equals("")){
46. b2.setLabel(label);
47. b1.setLabel("");
48. }
49. **if**(b4.getLabel().equals("")){
50. b4.setLabel(label);
51. b1.setLabel("");
52. }
53. }
54. **if**(e.getSource()==b2){
55. String label=b2.getLabel();
56. **if**(b1.getLabel().equals("")){
57. b1.setLabel(label);
58. b2.setLabel("");
59. }
60. **if**(b3.getLabel().equals("")){
61. b3.setLabel(label);
62. b2.setLabel("");
63. }
64. **if**(b5.getLabel().equals("")){
65. b5.setLabel(label);
66. b2.setLabel("");
67. }
68. }
69. **if**(e.getSource()==b3){
70. String label=b3.getLabel();
71. **if**(b2.getLabel().equals("")){
72. b2.setLabel(label);
73. b3.setLabel("");
74. }
75. **if**(b6.getLabel().equals("")){
76. b6.setLabel(label);
77. b3.setLabel("");
78. }
79. }
80. **if**(e.getSource()==b4){
81. String label=b4.getLabel();
82. **if**(b1.getLabel().equals("")){
83. b1.setLabel(label);
84. b4.setLabel("");
85. }
86. **if**(b7.getLabel().equals("")){
87. b7.setLabel(label);
88. b4.setLabel("");
89. }
90. **if**(b5.getLabel().equals("")){
91. b5.setLabel(label);
92. b4.setLabel("");
93. }
94. }
95. **if**(e.getSource()==b5){
96. String label=b5.getLabel();
97. **if**(b2.getLabel().equals("")){
98. b2.setLabel(label);
99. b5.setLabel("");
100. }
101. **if**(b6.getLabel().equals("")){
102. b6.setLabel(label);
103. b5.setLabel("");
104. }
105. **if**(b4.getLabel().equals("")){
106. b4.setLabel(label);
107. b5.setLabel("");
108. }
109. **if**(b8.getLabel().equals("")){
110. b8.setLabel(label);
111. b5.setLabel("");
112. }
113. }
114. **if**(e.getSource()==b6){
115. String label=b6.getLabel();
116. **if**(b9.getLabel().equals("")){
117. b9.setLabel(label);
118. b6.setLabel("");
119. }
120. **if**(b3.getLabel().equals("")){
121. b3.setLabel(label);
122. b6.setLabel("");
123. }
124. **if**(b5.getLabel().equals("")){
125. b5.setLabel(label);
126. b6.setLabel("");
127. }
128. }
129. **if**(e.getSource()==b7){
130. String label=b7.getLabel();
131. **if**(b4.getLabel().equals("")){
132. b4.setLabel(label);
133. b7.setLabel("");
134. }
135. **if**(b8.getLabel().equals("")){
136. b8.setLabel(label);
137. b7.setLabel("");
138. }
139. }
140. **if**(e.getSource()==b8){
141. String label=b8.getLabel();
142. **if**(b9.getLabel().equals("")){
143. b9.setLabel(label);
144. b8.setLabel("");
145. }
146. **if**(b7.getLabel().equals("")){
147. b7.setLabel(label);
148. b8.setLabel("");
149. }
150. **if**(b5.getLabel().equals("")){
151. b5.setLabel(label);
152. b8.setLabel("");
153. }
154. }
155. **if**(e.getSource()==b9){
156. String label=b9.getLabel();
157. **if**(b6.getLabel().equals("")){
158. b6.setLabel(label);
159. b9.setLabel("");
160. }
161. **if**(b8.getLabel().equals("")){
162. b8.setLabel(label);
163. b9.setLabel("");
164. }
165. }
167. //congrats code
168. **if**(b1.getLabel().equals("1")&&b2.getLabel().equals("2")&&b3.getLabel()
169. .equals("3")&&b4.getLabel().equals("4")&&b5.getLabel().equals("5")
170. &&b6.getLabel().equals("6")&&b7.getLabel().equals("7")&&b8.getLabel()
171. .equals("8")&&b9.getLabel().equals("")){
172. JOptionPane.showMessageDialog(**this**,"Congratulations! You won.");
173. }
174. }
175. **public** **static** **void** main(String[] args) {
176. **new** Puzzle();
177. }
178. }
179. import java.awt.\*;
180. **import** javax.swing.\*;
181. **import** java.awt.event.\*;
182. **public** **class** puzzle **extends** JFrame **implements** ActionListener{
183. JButton b1,b2,b3,b4,b5,b6,b7,b8,b9,next;
184. puzzle(){
185. **super**("Puzzle Game - JavaTpoint");
186. b1=**new** JButton("1");
187. b2=**new** JButton(" ");
188. b3=**new** JButton("3");
189. b4=**new** JButton("4");
190. b5=**new** JButton("5");
191. b6=**new** JButton("6");
192. b7=**new** JButton("7");
193. b8=**new** JButton("8");
194. b9=**new** JButton("2");
195. next=**new** JButton("next");
197. b1.setBounds(10,30,50,40);
198. b2.setBounds(70,30,50,40);
199. b3.setBounds(130,30,50,40);
200. b4.setBounds(10,80,50,40);
201. b5.setBounds(70,80,50,40);
202. b6.setBounds(130,80,50,40);
203. b7.setBounds(10,130,50,40);
204. b8.setBounds(70,130,50,40);
205. b9.setBounds(130,130,50,40);
206. next.setBounds(70,200,100,40);
208. add(b1);add(b2);add(b3);add(b4);add(b5);add(b6);add(b7);add(b8);add(b9); add(next);
209. b1.addActionListener(**this**);
210. b2.addActionListener(**this**);
211. b3.addActionListener(**this**);
212. b4.addActionListener(**this**);
213. b5.addActionListener(**this**);
214. b6.addActionListener(**this**);
215. b7.addActionListener(**this**);
216. b8.addActionListener(**this**);
217. b9.addActionListener(**this**);
218. next.addActionListener(**this**);
220. next.setBackground(Color.black);
221. next.setForeground(Color.green);
222. setSize(250,300);
223. setLayout(**null**);
224. setVisible(**true**);
225. setDefaultCloseOperation(JFrame.EXIT\_ON\_CLOSE);
226. }//end of constructor
228. **public** **void** actionPerformed(ActionEvent e){
229. **if**(e.getSource()==next){
230. String s=b4.getLabel();
231. b4.setLabel(b9.getLabel());
232. b9.setLabel(s);
233. s=b1.getLabel();
234. b1.setLabel(b5.getLabel());
235. b5.setLabel(s);
236. s=b2.getLabel();
237. b2.setLabel(b7.getLabel());
238. b7.setLabel(s);
239. }
240. **if**(e.getSource()==b1){
241. String s=b1.getLabel();
242. **if**(b2.getLabel().equals(" ")){ b2.setLabel(s); b1.setLabel(" ");}
243. **else** **if**(b4.getLabel().equals(" ")){ b4.setLabel(s); b1.setLabel(" ");}
244. }//end of if
246. **if**(e.getSource()==b3){
247. String s=b3.getLabel();
248. **if**(b2.getLabel().equals(" ")){ b2.setLabel(s); b3.setLabel(" ");}
249. **else** **if**(b6.getLabel().equals(" ")){ b6.setLabel(s); b3.setLabel(" ");}
250. }//end of if
252. **if**(e.getSource()==b2){
253. String s=b2.getLabel();
254. **if**(b1.getLabel().equals(" ")){ b1.setLabel(s); b2.setLabel(" ");}
255. **else** **if**(b3.getLabel().equals(" ")){ b3.setLabel(s); b2.setLabel(" ");}
256. **else** **if**(b5.getLabel().equals(" ")){ b5.setLabel(s); b2.setLabel(" ");}
257. }//end of if
259. **if**(e.getSource()==b4){
260. String s=b4.getLabel();
261. **if**(b1.getLabel().equals(" ")){ b1.setLabel(s); b4.setLabel(" ");}
262. **else** **if**(b7.getLabel().equals(" ")){ b7.setLabel(s); b4.setLabel(" ");}
263. **else** **if**(b5.getLabel().equals(" ")){ b5.setLabel(s); b4.setLabel(" ");}
264. }//end of if
266. **if**(e.getSource()==b5){
267. String s=b5.getLabel();
268. **if**(b2.getLabel().equals(" ")){ b2.setLabel(s); b5.setLabel(" ");}
269. **else** **if**(b4.getLabel().equals(" ")){ b4.setLabel(s); b5.setLabel(" ");}
270. **else** **if**(b6.getLabel().equals(" ")){ b6.setLabel(s); b5.setLabel(" ");}
271. **else** **if**(b8.getLabel().equals(" ")){ b8.setLabel(s); b5.setLabel(" ");}
272. }//end of if
274. **if**(e.getSource()==b6){
276. String s=b6.getLabel();
277. **if**(b9.getLabel().equals(" ")){ b9.setLabel(s); b6.setLabel(" ");}
278. **else** **if**(b3.getLabel().equals(" ")){ b3.setLabel(s); b6.setLabel(" ");}
279. **else** **if**(b5.getLabel().equals(" ")){ b5.setLabel(s); b6.setLabel(" ");}
281. }//end of if
283. **if**(e.getSource()==b7){
284. String s=b7.getLabel();
285. **if**(b4.getLabel().equals(" ")){ b4.setLabel(s); b7.setLabel(" ");}
286. **else** **if**(b8.getLabel().equals(" ")){ b8.setLabel(s); b7.setLabel(" ");}
288. }//end of if
290. **if**(e.getSource()==b8){
291. String s=b8.getLabel();
292. **if**(b7.getLabel().equals(" ")){ b7.setLabel(s); b8.setLabel(" ");}
293. **else** **if**(b9.getLabel().equals(" ")){ b9.setLabel(s); b8.setLabel(" ");}
294. **else** **if**(b5.getLabel().equals(" ")){ b5.setLabel(s); b8.setLabel(" ");}
296. }//end of if
298. **if**(e.getSource()==b9){
299. String s=b9.getLabel();
300. **if**(b6.getLabel().equals(" ")){ b6.setLabel(s); b9.setLabel(" ");}
301. **else** **if**(b8.getLabel().equals(" ")){ b8.setLabel(s); b9.setLabel(" ");}
303. **if**(b1.getLabel().equals("1")&&b2.getLabel().equals("2")&&b3.getLabel()
304. .equals("3")&&b4.getLabel().equals("4")&&b5.getLabel().equals("5")
305. &&b6.getLabel().equals("6")&&b7.getLabel().equals("7")&&b8.getLabel()
306. .equals("8")&&b9.getLabel().equals(" ")){
307. JOptionPane.showMessageDialog(puzzle.**this**,"!!!you won!!!");
308. }
309. }//end of if
311. }//end of actionPerformed

314. **public** **static** **void** main(String[] args){
315. **new** puzzle();
316. }//end of main
318. }//end of class

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