

視窗程式範例 (無條件安全密碼系統)



文字區域

```
278 private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {  
279     // TODO add your handling code here:  
280     String str = jTextField1.getText();  
281     char planText[] = str.toCharArray();  
282     int key = 1023;  
283     int planTextLen = planText.length;  
284     JTextArea1.append("加密後之密文為：\n");  
285     for(int i=0;i<planTextLen;i++){  
286         planText[i] = (char) (planText[i] ^ key);  
287         JTextArea1.append(""+planText[i]);  
288     }  
289     JTextArea1.append("\n");  
290 }
```

視窗程式範例 (無條件安全密碼系統) (Cont.)

The image illustrates the development of a decryption application in an IDE. The top part shows a project tree with the project name 'Ex_2011_10_27'. A 'New' menu is open, showing options like 'JFrame Form...', 'Java Class...', 'Java Package...', 'Java Interface...', and 'JPanel Form...'. An arrow points down to a window titled '解密' (Decrypt). The window contains a text field labeled '密文' (Ciphertext) and two buttons: '解密' (Decrypt) and '回上層' (Go Up). A pink box highlights the '解密' button, which is linked to a code block for 'jButton2ActionPerformed'. A blue box highlights the '回上層' button, which is linked to a code block for 'jButton1ActionPerformed'.

```
113 private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {  
114     // TODO add your handling code here:  
115     this.dispose();  
116 }
```

```
118 private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {  
119     // TODO add your handling code here:  
120     String str = jTextField1.getText();  
121     char planText[] = str.toCharArray();  
122     int key = 1023;  
123     int planTextLen = planText.length;  
124     JTextArea1.append("解密後之明文為:\n");  
125     for(int i=0;i<planTextLen;i++){  
126         planText[i] = (char) (planText[i] ^ key);  
127         JTextArea1.append(""+planText[i]);  
128     }  
129     JTextArea1.append("\n");  
130 }
```

視窗程式範例 (無條件安全密碼系統) (Cont.)



```
271 private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {  
272     // TODO add your handling code here:  
273     decryptFrame decFrame = new decryptFrame();  
274     decFrame.setDefaultCloseOperation(1);  
275     decFrame.setVisible(true);  
276 }
```

