

```
1: package com.delta.controlflow;
2:
3: import android.util.Log;
4:
5: /**
6:  * Created by learnovate on 2/27/14.
7:  */
8: public class ControlFlow {
9:
10:     char[] alphabet = {'a','b','c','d','e','f','g','h','i','j','k','l','m','n','o','p','q','r','s','t','u','v','w','x','y',
    'z'};
11:
12:     //English-language pangram tester
13:
14:     //"Pack my box with five dozen liquor jugs."
15:     //"Mr. Jock, TV quiz PhD, bags few lynx."
16:     //"The quick red fox jumps over the lazy brown dog""
17:
18:     public void start(){
19:
20:         char[] sentenceToTest = toCharacterArray("The quick red fox jumps over the lazy brown dog");
21:         char[] missingLetters = new char[26];
22:
23:         //start here!
24:
25:
26:
27:
28:
29:
30:
31:         // Find out if the 'sentenceToTest' is in fact a pangram.
32:         // then make a "writeSuccess" method call with the following pieces of data:
33:         // 1. number of missing letters (if any)
34:         // 2. which letters (if any)
35:         // 3. the original sentence
36:         //writeSuccess(int aNumMisssing, char[] aMissingLetters, char[] aSentence )
37:
38:
39:
40:
41:     }
42:
43:
44:
45:
46:     //
47:     // This code is just to help us write easier to read code
```

```
48:      // it turns "sentence" into a char array of {'s','e','n','t','e','n','c','e'}
49:      //
50:
51:      public char[] toCharacterArray(String s) {
52:          if (s == null) {
53:              return null;
54:          }
55:          char[] array = new char[s.length()];
56:          for (int i = 0; i < s.length(); i++) {
57:              array[i] = s.charAt(i);
58:          }
59:          return array;
60:      }
61:
62:      public void writeToLog(int output){
63:          Log.e("OPERATOR",String.valueOf(output));
64:      }
65:      public void writeToLog(String output){
66:          Log.e("OPERATOR",String.valueOf(output));
67:      }
68:
69:      public void writeSuccess(int aNumMisssing, char[] aMissingLetters, char[] aSentence ){
70:
71:          Log.e("OPERATOR","testing sentence:" + String.valueOf(aSentence));
72:          String message = String.valueOf(aNumMisssing) + " missing:" + String.valueOf(aMissingLetters);
73:          Log.e("OPERATOR",message);
74:      }
75:
76:
77:
78:
79: }
```

```
1: package com.delta.controlflow;
2:
3: import android.app.Activity;
4: import android.os.Bundle;
5: import android.view.Menu;
6: import android.view.MenuItem;
7:
8: public class ControlFlowActivity extends Activity {
9:
10:     @Override
11:     protected void onCreate(Bundle savedInstanceState) {
12:         super.onCreate(savedInstanceState);
13:         setContentView(R.layout.activity_control_flow);
14:         ControlFlow cf = new ControlFlow();
15:         cf.start();
16:     }
17:
18:
19:     @Override
20:     public boolean onCreateOptionsMenu(Menu menu) {
21:
22:         // Inflate the menu; this adds items to the action bar if it is present.
23:         getMenuInflater().inflate(R.menu.control_flow, menu);
24:         return true;
25:     }
26:
27:     @Override
28:     public boolean onOptionsItemSelected(MenuItem item) {
29:         // Handle action bar item clicks here. The action bar will
30:         // automatically handle clicks on the Home/Up button, so long
31:         // as you specify a parent activity in AndroidManifest.xml.
32:         int id = item.getItemId();
33:         if (id == R.id.action_settings) {
34:             return true;
35:         }
36:         return super.onOptionsItemSelected(item);
37:     }
38:
39: }
```

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2 controlflow/src/main/java/com/delta/controlflow/ControlFlowActivity.java 1 pages 39 lines 14/03/01 19:57:55