

```
1 /*
2  * To change this template, choose Tools | Templates
3  * and open the template in the editor.
4  */
5 package lab1.solution;
6
7 /**
8  *
9  * @author vanting
10 */
11 public class PrintAToZ {
12     public static void main(String[] args) {
13         for (int i = 0; i < 26; i++) {
14             System.out.print((char) ('A' + i));
15         }
16     }
17 }
18
```

```
1 /*
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4  */
5 package lab1.solution;
6
7 import javax.swing.JOptionPane;
8
9 /**
10  *
11  * @author vanting
12  */
13 public class PrintPyramid {
14
15     /** Main method */
16     public static void main(String[] args) {
17         // Prompt the user to enter the number of lines
18         String input = JOptionPane.showInputDialog("Enter the number of lines:");
19         int numberOfLines = Integer.parseInt(input);
20
21         if (numberOfLines < 1 || numberOfLines > 15) {
22             System.out.println("Enter a number from 1 to 15");
23             System.exit(0);
24         }
25
26         // Print line by line
27         for (int row = 0; row < numberOfLines; row++) {
28             // Print leading spaces
29             for (int column = 0; column < row; column++)
30                 System.out.print(" ");
31
32             // Print leading numbers
33             for (int num = numberOfLines - row; num >= 1; num--)
34                 System.out.printf("%3d", num);
35
36             // Print ending numbers
37             for (int num = 2; num <= numberOfLines - row; num++)
38                 System.out.printf("%3d", num);
39
40             // Start a new line
41             System.out.println();
42         }
43     }
44 }
```

```
1  /*
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4  */
5  package lab1.solution;
6
7  /**
8   *
9   * @author vanting
10  */
11  public class Triples {
12
13      public static void main(String[] args) {
14          System.out.println(hasTriples(new int[] { 1, 1, 2, 2, 1 }));
15          System.out.println(hasTriples(new int[] { 1, 1, 2, 2, 2, 1 }));
16          System.out.println(hasTriples(new int[] { 1, 1, 1, 2, 2, 2, 1 }));
17      }
18
19      public static boolean hasTriples(int[] nums) {
20
21          for (int i = 0; i < (nums.length - 2); i++) {
22              int first = nums[i];
23              if (nums[i + 1] == first && nums[i + 2] == first) {
24                  return true;
25              }
26          }
27
28          return false;
29      }
30  }
31
```