```java
1 import java.util.Scanner;
2
3 public class E64 {
4
5     public static void main(String[] args) {
6
7         Scanner scan = new Scanner (System.in);
8         String uppercase = "";
9         String second = "";
10         String underscore = null;
11         String position = "";
12         int vowel = 0;
13         System.out.println("Enter a string: ");
14         String input = scan.nextLine();
15
16         //Prints uppercase letters
17         for (int i = 0; i < input.length(); i++) {
18             if (Character.isUpperCase(input.charAt(i))) {
19                 uppercase += input.charAt(i) + " ";
20             }
21         }
22         System.out.println("Upper case letters: " + uppercase);
23
24         //Prints every second letter of the string
25         if (input.length() < 2) {
26             System.out.print("The string only contains one character.");
27         }
28         else {
29             for (int x = 1; x < input.length(); x += 2) {
30                 second += input.charAt(x) + " ";
31             }
32             System.out.println("Second letters: " + second);
33         }
34
35         //Prints the string with all vowels replaced by an underscore
36         underscore = input.replaceAll("a|e|i|o|u|A|E|I|O|U", "_");
37         System.out.println("All vowels replaced by underscores: " + underscore);
38
39         //Prints number of vowels in the string
40         for (int x = 0; x < input.length(); x++) {
41             if (input.charAt(x) == 'a' || input.charAt(x) == 'A' ||
42                     input.charAt(x) == 'e' || input.charAt(x) == 'E' ||
43                     input.charAt(x) == 'i' || input.charAt(x) == 'I' ||
44                     input.charAt(x) == 'o' || input.charAt(x) == 'O' ||
45                     input.charAt(x) == 'u' || input.charAt(x) == 'U') {
46                 vowel++;
47                 position += (x + 1) + " ";
48             }
49         }
50         System.out.println("Number of vowels: " + vowel);
51         System.out.println("Vowel positions: " + position);
52     }
53 }
54
55 /*
56     Enter a string:
57     Holly
```

```
58     Upper case letters: H
59     Second letter: o l
60     All vowels replaced by underscores: H_lly
61     Number of vowels: 1
62     Vowel positions: 2
63  */
```