```
1
    package string;
 2
 3
     假设字符串的所有字符都不重复,如何输出字符串的所有组合?例如,输入"abc",输出a,b,c,ab,a
     c,bc,,abc 7种组合 */
4
5
     class PrintAllCombinationsOfAString {
6
7
        public String[] printAllCombinationsOfAString(String inputString) {
8
9
             if (inputString == null || inputString.length() == 0) {
10
                 return null;
11
12
13
             int combinationsCount = Math.round((float) Math.pow(2, inputString.length()));
14
             int standard = 1 << inputString.length();</pre>
15
             String[] result = new String[combinationsCount - 1];
16
17
             for (int i = 1; i < combinationsCount; i++) {</pre>
18
19
                 result[i - 1] = generateNewString(i, standard, inputString);
20
             }
21
22
             return result;
23
         }
24
25
         private String generateNewString(int currentNumber, int standard, String
         inputString) {
26
27
             StringBuilder result = new StringBuilder();
28
29
             for (int i = 0; i < inputString.length(); i++) {</pre>
30
                 standard = standard >>> 1;
31
                 if ((currentNumber & standard) != 0) {
32
                     result.append(inputString.charAt(i));
33
                 }
34
             }
3.5
36
             return result.toString();
37
         }
38
39
40
         public static void main(String[] args) {
41
42
             String input = "abc";
43
             String[] result
44
                     = new
                     PrintAllCombinationsOfAString().printAllCombinationsOfAString(input);
45
46
             System.out.println("haha");
47
         }
48
     }
```