LetterCombOfPhoneNumber.java

```
1
    package String;
2
    import java.util.*;
3
    public class LetterCombOfPhoneNumber {
4
        static Character[][] numberToCharMap;
5
6
        public static List<String> printWords(int[] numbers, int len, int numIndex, String s) {
7
  1
            if (len == numIndex) {
8
                 return new ArrayList<>(Collections.singleton(s));
9
10
11
            List<String> stringList = new ArrayList<>();
12
132
            for (int i = 0; i < numberToCharMap[numbers[numIndex]].length; i++) {</pre>
                 String sCopy = String.copyValueOf(s.toCharArray());
14
15
                 sCopy = sCopy.concat(numberToCharMap[numbers[numIndex]][i].toString());
                 stringList.addAll(printWords(numbers, len, numIndex + 1, sCopy));
16 1
17
18 1
             return stringList;
19
20
21
        public static void generateNumberToCharMap() {
22
            numberToCharMap = new Character[10][5];
23
            numberToCharMap[0] = new Character[] {'\0'};
            numberToCharMap[1] = new Character[] {'\0'};
24
25
            numberToCharMap[2] = new Character[] {'a', 'b', 'c'};
26
            numberToCharMap[3] = new Character[] {'d', 'e', 'f'};
27
            numberToCharMap[4] = new Character[] {'g', 'h', 'i'};
28
            numberToCharMap[5] = new Character[] {'j', 'k',
29
            numberToCharMap[6] = new Character[] {'m', 'n', 'o'};
30
            numberToCharMap[7] = new Character[] {'p', 'q', 'r', 's'};
            numberToCharMap[8] = new Character[] {'t', 'u', 'v'};
            numberToCharMap[9] = new Character[] {'w', 'x', 'y', 'z'};
33
34
    }
    Mutations

    negated conditional → KILLED

7

    replaced return value with Collections.emptyList

8
    String/LetterCombOfPhoneNumber::printWords → KILLED

    negated conditional → KILLED
    changed conditional boundary → KILLED

<u>13</u>
<u>16</u>

    Replaced integer addition with subtraction → KILLED

     . replaced return value with Collections.emptyList for
    String/LetterCombOfPhoneNumber::printWords \rightarrow KILLED
```

Active mutators

- CONDITIONALS_BOUNDARY
- EMPTY_RETURNS
- FALSE_RETURNS
- INCREMENTS
- INVERT_NEGS MATH
- NEGATE_CONDITIONALS
- NULL_RETURNS
- PRIMITIVE RETURNS
- TRUE_RETURNS
- VOID_METHOD_CALLS

Tests examined

• String, Letter CombOf Phone Number Test, letter Combinations Of Phone Number (String, Letter CombOf Phone Number Test) (0 ms)

Report generated by PIT 1.15.0