

*LetterCombinations.java ✖

```
4 import java.util.HashMap;
5
6 public class LetterCombinations {
7
8     HashMap<Character,String> obj = new HashMap<>();
9     char key1,key2;
10    String str1,str2;
11
12    public ArrayList<String> getLetterCombinations(String numerals){
13
14        ArrayList<String> arr = new ArrayList<String>();
15
16        obj.put('2', "abc");
17        obj.put('3', "def");
18        obj.put('4', "ghi");
19        obj.put('5', "jkl");
20        obj.put('6', "mno");
21        obj.put('7', "pqrs");
22        obj.put('8', "tuv");
23        obj.put('9', "wxyz");
24
25        key1 = numerals.charAt(0);
26        key2 = numerals.charAt(1);
27
28        str1 = obj.get(key1);
29        str2 = obj.get(key2);
30
31        for(int i=0;i<str1.length();i++) {
32            String str = "";
33            char ch1 = str1.charAt(i);
34            for(int j=0;j<str2.length();j++) {
35                char ch2 = str2.charAt(j);
36                arr.add(str+ch1+ch2);
37            }
38        }
39
40        return arr;
41    }
42 }
```