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### Letter Combinations of a Phone Number

Try to solve the Letter Combinations of a Phone Number problem.

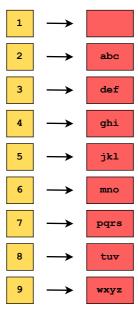
# We'll cover the following ^ Statement Examples Understand the problem Figure it out! Try it yourself

#### **Statement**

Given a string containing digits from 2 to 9 inclusive, return all possible letter combinations that the number could represent. Return the answer in any order.

A mapping of digits to letters is given below.

Note: 1 doesn't map to any letter.



#### **Constraints:**

- $0 \leq \text{digits.length} \leq 4$
- digits[i] is a digit in the range [2,9]

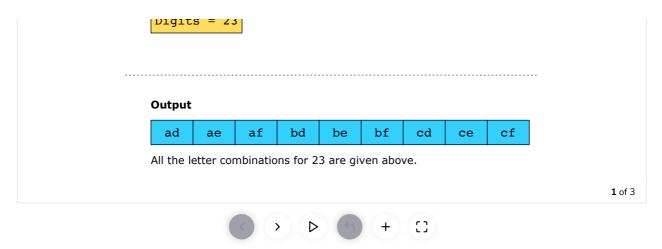
#### **Examples**

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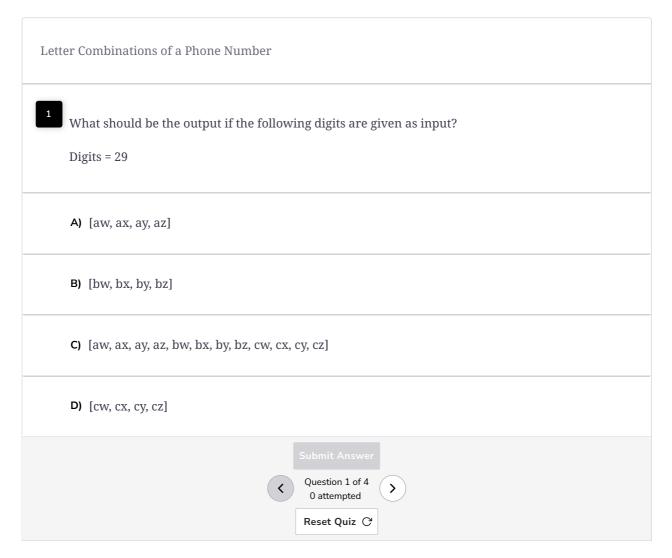
Input

D: -:+- - 22



# Understand the problem

Let's take a moment to make sure you've correctly understood the problem. The quiz below helps you check if you're solving the correct problem:

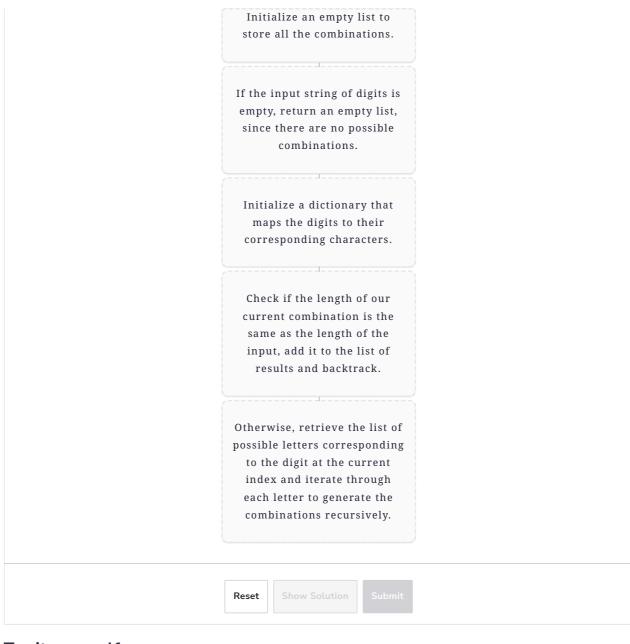


# Figure it out!

We have a game for you to play. Rearrange the logical building blocks to develop a clearer understanding of how to solve this problem.



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# Try it yourself



```
■ C
 👙 Java
usercode > main.java
   1 import java.util.*;
   3 public class Main{
          public List<String> letterCombinations(String digits){
   6
              // Your code will replace this placeholder return statament
   7
   8
              return new ArrayList<>();
   9
  10 }
                                                                                                                      ?
                                                                                                         Submit
                                                                                 Powered by AI
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                                                                                                                     Tτ
Test Cases
             Results
                                                                                                                      6
   Case 1
             Case 2
                       Case 3
```

"2"

#### Letter Combinations of a Phone Number



Next →

Solution: Permutations

Solution: Letter Combi...



