

Our Solution(s)		Run Code
Solution 1	Solution 2	
<pre>1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved. 2 3 using System; 4 using System.Collections.Generic; 5 6 public class Program { 7 // Upper Bound: O(n^2*n!) time O(n*n!) space 8 // Roughly: O(n*n!) time O(n*n!) space 9 public static List<List<int> > GetPermutations(List<int> array) { 10 List<List<int> > permutations = new List<List<int> >(); 11 GetPermutations(array, new List<int>(), permutations); 12 return permutations; 13 } 14 15 public static void GetPermutations(List<int> array, List<int> 16 List<List<int> > permutations) { 17 if (array.Count == 0 && currentPermutation.Count > 0) { 18 permutations.Add(currentPermutation); 19 } else { 20 for (int i = 0; i < array.Count; i++) { 21 List<int> newArray = new List<int>(array); 22 newArray.RemoveAt(i); 23 List<int> newPermutation = new List<int>(currentPermutat 24 newPermutation.Add(array[i]); 25 GetPermutations(newArray, newPermutation, permutations); 26 } 27 } 28 } 29 } 30</pre>		

Your Solutions			Run Code
Solution 1	Solution 2	Solution 3	
<pre>1 using System.Collections.Generic; 2 3 public class Program { 4 public static List<List<int> > GetPermutations(List<int> array 5 // Write your code here. 6 return null; 7 } 8 } 9</pre>			

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1  #!/usr/bin/env python
2  # coding: utf-8
3
4  # Import the necessary libraries
5  import sys
6  import random
7  import time
8
9  # Define the main function
10 def main():
11     # Generate a random number between 1 and 100
12     secret_number = random.randint(1, 100)
13
14     # Initialize the number of attempts
15     attempts = 0
16
17     # Loop until the user guesses the correct number
18     while True:
19         # Prompt the user to enter a guess
20         guess = int(input("Enter a guess: "))
21
22         # Increment the number of attempts
23         attempts += 1
24
25         # Check if the guess is correct
26         if guess == secret_number:
27             # Print the correct number and the number of attempts
28             print(f"Congratulations! You guessed the correct number {secret_number} in {attempts} attempts.")
29             break
30         # Check if the guess is too high or too low
31         elif guess > secret_number:
32             print("Your guess is too high.")
33         else:
34             print("Your guess is too low.")
35
36 # Call the main function
37 if __name__ == "__main__":
38     main()

```

Run or submit code when you're ready.