*# --------------------- Palindromify the List --------------------- #  
  
"""  
The task you have to perform is “Palindromify the List.” This task consists of a total of 10 points to evaluate your  
performance.  
  
The task is very similar to the previous one . Tutorial #109 ( Python Problem 4)  
  
Problem Statement:-  
You are given a list that contains some numbers. You have to print a list of next palindromes only if the number is  
greater than 10; otherwise, you will print that number.  
  
Input:  
[1, 6, 87, 43]  
  
Output:  
[1, 6, 88, 44]  
"""*print(**"------------------ This is the Program for Next Palindrome List ('Palindromify the List') -------------"**)  
  
print(**"\nYou have to provide a list of numbers and in return we will modify that list with the next palindrome for each"  
 " number, (if the number is greater than 10).\n"**)  
  
  
**try**:  
 how\_many\_input = int(input(**"\n\* How many numbers is in your list ? "**))  
**except** ValueError:  
 print(**"- Enter only integer."**)  
  
**else**:  
  
 print()  
 print(**f"\* Enter that {**how\_many\_input**} numbers one by one:"**)  
  
 *# Taking Input From user and then store it into empty list* numbers = []  
  
 **for** i **in** range(1, how\_many\_input + 1):  
 **try**:  
 print()  
 user\_inp = int(input(**f"{**i**} - Enter Number for Palindrome: "**))  
 **except** ValueError:  
 print(**f"\n- Enter only integers. This will not be Taken as number."**)  
 **else**:  
 numbers.append(user\_inp)  
  
 *# Code for Finding Next Palindrome* palindrome\_num = []  
  
 **for** i **in** numbers:  
 z = i + i  
 **for** x **in** range(i, z + 1):  
 **if** x > 10:  
 x = x+1  
 my\_str = str(x)  
 reverse\_str = my\_str[::-1]  
 **if** my\_str == reverse\_str:  
 palindrome\_num.append(x)  
 x += 1  
 **break  
 else**:  
 palindrome\_num.append(x)  
 **break***# ----------------- Printing the given list and modify list ---------------- #* print(**f"\n\* The List you provide us is {**numbers**}.\n\n\* After modifying the given list, the next palindrome number "  
 f"for each list item is: {**palindrome\_num**}"**)  
  
*# ------------------ Done ----------- #*