**Basic Python Problems with Sample Input and Output**

**1. Check for Anagram**  
**Problem:** Determine if two strings are anagrams of each other.  
**Sample Input:**  
str1 = "listen"  
str2 = "silent"  
**Sample Output:**  
True

**2. Check for Palindrome**  
**Problem:** Check if a string is the same when reversed.  
**Sample Input:**  
text = "madam"  
**Sample Output:**  
True

**3. Find Maximum and Minimum Number**  
**Problem:** Find the max and min number from a list.  
**Sample Input:**  
numbers = [12, 45, 7, 89, 23]  
**Sample Output:**  
Max: 89, Min: 7

**4. Sort in Ascending and Descending Order**  
**Problem:** Sort a list both ways.  
**Sample Input:**  
data = [34, 12, 5, 66, 29]  
**Sample Output:**  
Ascending: [5, 12, 29, 34, 66]  
Descending: [66, 34, 29, 12, 5]

**5. Remove Duplicates from a List**  
**Problem:** Remove duplicate elements while preserving order.  
**Sample Input:**  
items = [1, 2, 2, 3, 4, 4, 5]  
**Sample Output:**  
[1, 2, 3, 4, 5]

**6. Check Even or Odd**  
**Problem:** Determine if a number is even or odd.  
**Sample Input:**  
number = 17  
**Sample Output:**  
Odd

**7. Count Vowels in a String**  
**Sample Input:**  
text = "Hello World"  
**Sample Output:**  
Vowels: 3

**8. Find Factorial of a Number**  
**Sample Input:**  
n = 5  
**Sample Output:**  
Factorial: 120

**9. Check Prime Number**  
**Sample Input:**  
number = 13  
**Sample Output:**  
Prime

**10. Reverse a String Without Using Built-in Functions**  
**Sample Input:**  
text = "Python"  
**Sample Output:**  
nohtyP