

DSE 2144– Advanced Programming Language Lab
Week 2 – Date: 08th August 2024

1. Write a Python program to find the longest increasing subsequence from a given list of numbers.
2. Create a Python script to generate a list that contains 25 elements and display the frequency of each item in a list
3. Develop a Python program that constructs a list of 15 strings. It should then determine the count of strings in this list that have a minimum length of two characters and also start and end with identical characters. You can choose any specific list of strings for this task.
4. Develop a Python script that generates a list with 15 items and then eliminates any duplicates from that list.
5. Develop a Python script that builds a list with 15 elements. This script will reposition the items in the list by doing a circular right shift. The number of positions shifted will be based on a user-specified value.