

ASSIGNMENT-7

Q Create a menu-driven program that allows users to perform various operations on a list (e.g., add, remove, search).

Q Practice slicing and extracting specific portions of a list (e.g., every other element, a subsequence).

Q You have an 2d List eg. `[[1],[2,3],[4,5,6],[7,8,9,10],[11,12,13,14,15]]` print them into right angle triangle format.

Q Write a program that performs the following operations on a list:

- Append an element to the end of the list.
- Insert an element at a specific position.
- Remove an element by value.
- Print the current elements of the list.

Q Create a program that takes a list of numbers and filters out even numbers, leaving only odd numbers in the list using list comprehension.

Q Develop a program that duplicates the elements of a list, creating a new list with each element repeated twice.

Q Write a program that subtract two matrices (2D lists) of the same dimensions.

Q Write a program that multiplication two matrices (2D lists) of the same dimensions.

Q Write a Program reverse the elements of the list without using built in function.