**Lab1 Dr. Hatim Alsuwat**

1. Define a list named List1 that contains 6 random elements (the first element must be your first name and the third element must be your last name).

2. Print your list.

3. Print the third element of your list

4. Print the last element in List1.

5. Change the value of the third element to 7.

6. Change the value of the second element to 13.

7. Replace the value of the first element with the sum of the second and the third element.

8. Define a new list named V where V = [ 1, 2, 3], then replace the last element with the list V. (list inside a list).

9. Test if a list contains 2.

10. Test if the List1 does not contain “Hello”.

11. Using slicing method, print the values from 1 to 3 of the List1.

12. Using slicing method, add the elements [5, 6, 7, 8] instead of the second and the third element.

13. Using slicing method, delete the elements from 2 to 4.

14. Append the value 6000 to the List1.

15. Using Pop() function, remove the last element.

16. Using Pop() function, print the third element.

17. Print the Length of the List1.

18. Define a new list V3, then combine the List1 with V3.

19. Write a program that asks the user for a number. Depending on whether the number is even or odd, print out an appropriate message to the user.

20. Write a program that asks the user to enter their name and their age. Print out a message addressed to them that tells them the year that they will turn 90 years old.

21. Print the following pattern:

**1**

**1 2**

**1 2 3**

**1 2 3 4**

**1 2 3 4 5**