Lab Exercise Programs:

1. Write a program to find the area of rectangle. Take input from user.

   Eg. x= int(input('Enter number:'))

2. Write a program to swap the values of two variables.

3. Write a program to find whether a number is even or odd.

4. Write a program to check the largest among the given three numbers.

5. Write a program to demonstrate while loop with else.

6. Write a program to print the prime numbers for a user provided range.

7. Write a program to demonstrate List functions and operations.

8. Consider the tuple(1,3,5,7,9,2,4,6,8,10). Write a program to print half its values in one line and the other half in the next line.

9. Consider the tuple (12, 7, 38, 56, 78). Write a program to print another tuple whose values are even number in the given tuple.

10. Write a Python program to print negative Numbers in a List using for loop. Eg. [11, -21, 0, 45, 66, -93].

11. Write a program to print negative Numbers in a List using while loop.

12. Write a Python program to count positive and negative numbers in a List.

13. Write a Python program to remove all even elements from a list .

14. Define a dictionary containing Students data {Name, Height, Qualification}.

    a) Convert the dictionary into DataFrame

    b) Declare a list that is to be converted into a new column (Address}

    c) Using 'Address' as the column name and equate it to the list and display the result.

15. Define a dictionary containing Students data {Name, Height, Qualification}.

    a) Convert the dictionary into DataFrame

    b) Use DataFrame.insert() to add a column and display the result.