Lab Activity

Instructions:

- Submit code of each question in separate python file
- Each file name should be question number.py like q1.py, q2.py
- Put all the files in the folder. The name of your folder should be your roll number.
- Zip the folder and submit it.
- No need to use any other algorithm than the one specified in question. Use of any other algorithm than the specified one will be awarded 0.
- Binary Marking is considered in first 3 questions, meaning your code should all the test cases.
- Plagiarism is heavily penalized. Don't cheat

Questions:

Ques1 – Write a python program to put a space after each capital letter using Regex. Convert all sentence in lowercase too. Take input from user.   [10]

Input – BruceWayneIsBatman

Output – bruce wayne is batman.

Ques 2 – Write a Program to check if a binary number given when converted in base 10 is palindrome or not.   [10]

Input – 1001

Output – TRUE .

Since 1001 is 9 hence it's a single digit palindrome.

Ques 3 - Take a string of number as input from user. Sort the string using lambda function of python. Output the sorted numbers in list   [10]

Input – 34 45 65 11 34

Output – [11, 34, 34, 45, 65]

Ques 4 – Write a code with shows inheritance in python. You can mention in readme the command to run this code and how it is to be implemented. [10]