**Module 7 Practice Exercises**

To avoid unexpected results, use separate python file for each of the below questions

1. Write a function in python to create a text file, name the file as “research.txt”
2. Write a function in python that accepts a parameter paragraph to append the following paragraph to the “research.txt” file:

Video streaming has become ubiquitous and pervasive in the

usage of electronic displaying devices. Viewers stream videos

on a variety of devices, from large screen TVs and desktops

to tablets and smart-phones. Based on the Global Internet

Phenomena Report [1], video streaming currently constitutes

around 77% of the U.S. Internet traffic and it is rocketing to

85% of the whole Internet traffic by 2021 [2].

Video contents, either in the form of Video On Demand

(VOD) (e.g., YouTube1 or Netflix2) or live-streaming (e.g.,

Livestream3), need to be converted (i.e., transcoded) based

on the device characteristics of viewers. That is, the original

video has to be converted to supported characteristics (e.g.,

frame rate, resolution, and network bandwidth) of the viewers’

devices [3].

1. Write a function in python that accepts a parameter file to display the whole text file
2. Write a function in python that accepts a parameter file to display line by line the text file
3. Write a function in python that accepts two parameters file and line number to display the first 6 lines of the text file
4. Write a function in python that accepts two parameters file and line number to display the last 7 lines of the text file
5. Write a function in python that accepts from the user input a sentence and line number to replace the line “85% of the whole Internet traffic by 2021 [2].” by the line “90% of the whole Internet traffic by 2023 [2].”