Spring 2024: CS5720

Neural Networks & Deep Learning - ICP-1

Note: Code quality (in terms of time and space complexity) is highly valued

1. Write a python program for the following:

– Input the string “Python” as a list of characters from console, delete at least 2 characters, reverse the resultant string and print it.

Sample input:

•python

•*Sample output:*

•ntyp

– Take two numbers from user and perform at least 4 arithmetic operations on them.

2. Write a program that accepts a sentence and replace each occurrence of ‘python’ with ‘pythons’.

•*Sample input:*

•I love playing with python

•*Sample output:*

•I love playing with pythons

3. Use the if statement conditions to write a program to print the letter grade based on an input class score. Use the grading scheme we are using in this class.

** Follow the IPC rubric guidelines.

Submission Guidelines:

1. Once completed submit your source code and documentation to GitHub and represent the work in a ReadMe file properly (short summary for the ICP).

After class submission:

1. Complete your work and submit to your repo before the deadline.
2. Record a short video (1~3) minute, explaining the technical part and method used.
3. Add video link to ReadMe file.
4. After that make a pdf document containing screenshots of your code and results along with the github link at the top of the page.
5. Submit it on blackboard before due time.

Note: *Cheating, plagiarism, disruptive behavior and other forms of unacceptable conduct are subject to strong sanctions in accordance with university policy.*