

Spring 2026: 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. Complete the source code.
2. Record a short video (1~3) minute, explaining the technical part.
3. Add a video link to the code file and submit it before the deadline to Brightspace.

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

