**Fall 2023: CS5720**

**Neural Networks & Deep Learning - ICP-3**

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**1. Create a class Employee and then do the following**

**• Create a data member to count the number of Employees**

**• Create a constructor to initialize name, family, salary, department**

**• Create a function to average salary**

**• Create a Fulltime Employee class and it should inherit the properties of Employee class**

**• Create the instances of Fulltime Employee class and Employee class and call their member functions.**

**A screenshot of a computer program

Description automatically generated**

**2. Numpy**

**Using NumPy create random vector of size 20 having only float in the range 1-20.**

**Then reshape the array to 4 by 5**

**Then replace the max in each row by 0 (axis=1)**

**(you can NOT implement it via for loop)**

**A screenshot of a computer code

Description automatically generated**