**Spring 2024: CS5720 Neural Networks & Deep Learning - ICP-3**

**Assignment-3**

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Github Link:https://githu<https://github.com/VinayGunuguntla/icp3.git>b.com/VinayGunuguntla/icp3.git

Video Link: <https://drive.google.com/file/d/1322c-641LeCXm-tGJfC8eLX08PUHBFsA/view?usp=drive_link>

1. Create a class Employee and then do the following

• Create a data member to count the number of Employees

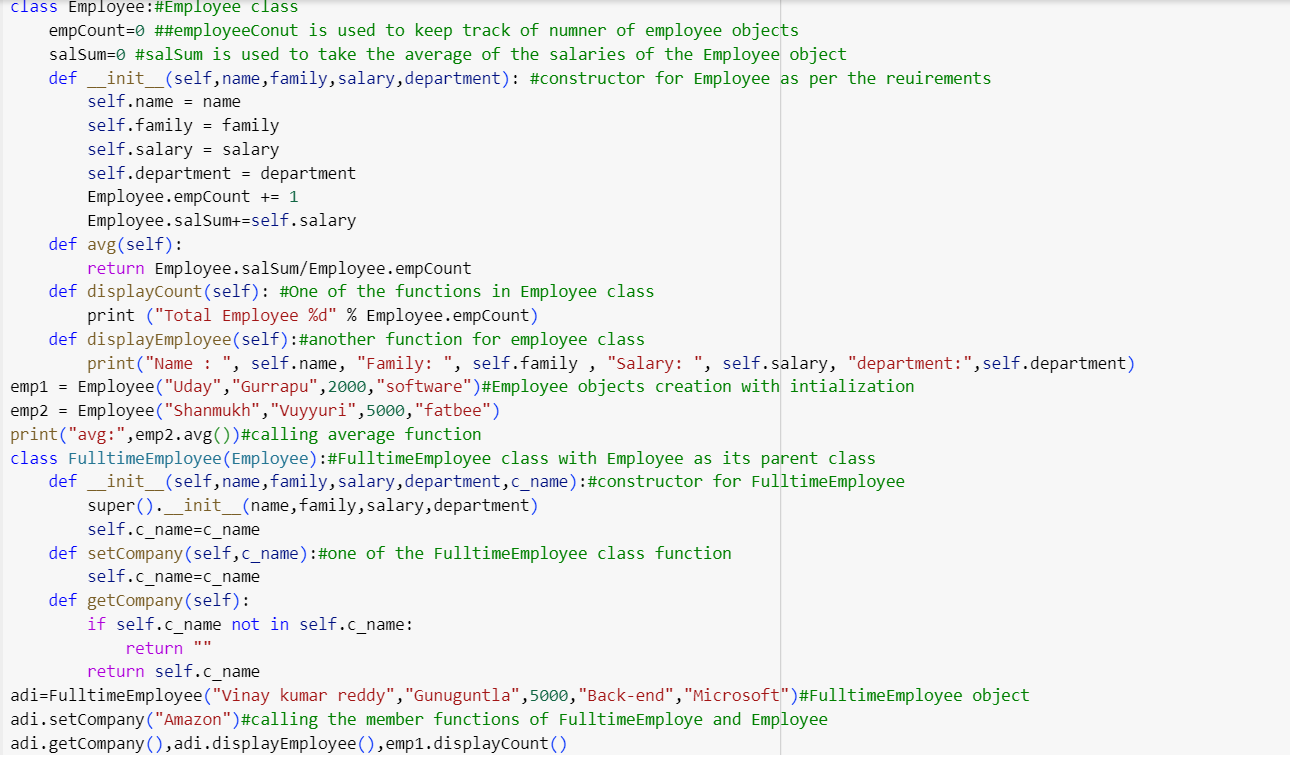
• Create a constructor to initialize name, family, salary, department

• Create a function to average salary

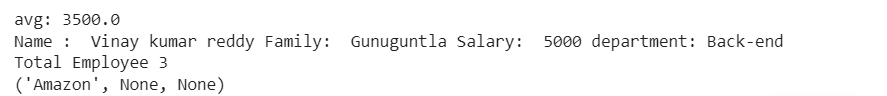
• Create a Fulltime Employee class and it should inherit the properties of Employee class

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

**Code:**

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**Output:**

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2. Numpy

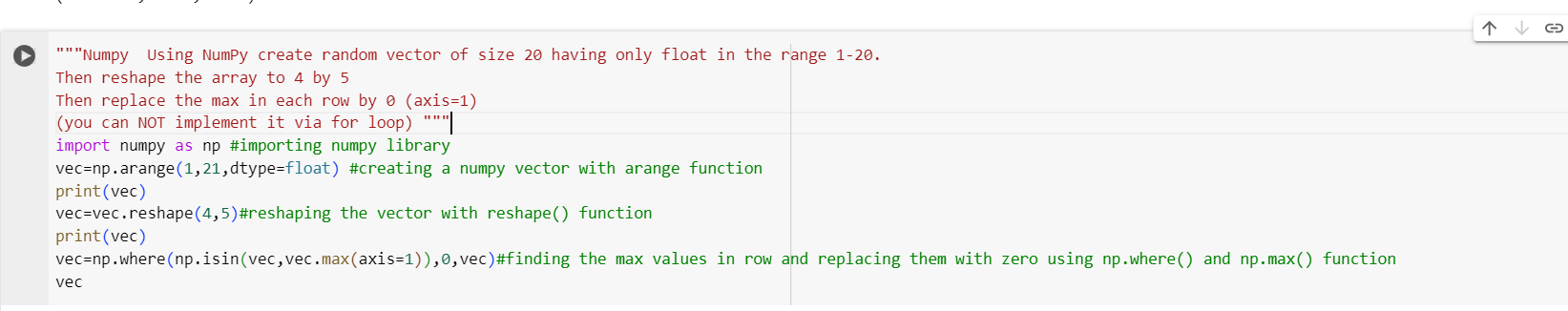
Using NumPy create random vector of size 20 having only float in the range 1-20.

Then reshape the array to 4 by 5

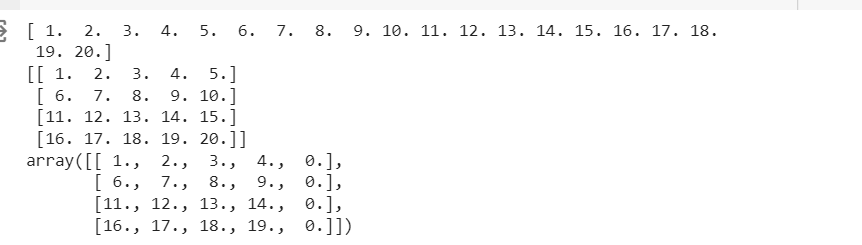
Then replace the max in each row by 0 (axis=1)

(you can NOT implement it via for loop)

**Code:**

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**Output:**

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