**ASSIGNMENT 3**

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**NEURAL NETWORK AND DEEP LEARNING**

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 screen shot of a computer program

Description automatically generated

A screen shot of a computer

Description automatically generated

Output

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 program

Description automatically generated

Output

A screenshot of a computer program

Description automatically generated