NNDL: ICP2

Jyothi Kiran Boddeda
700769023

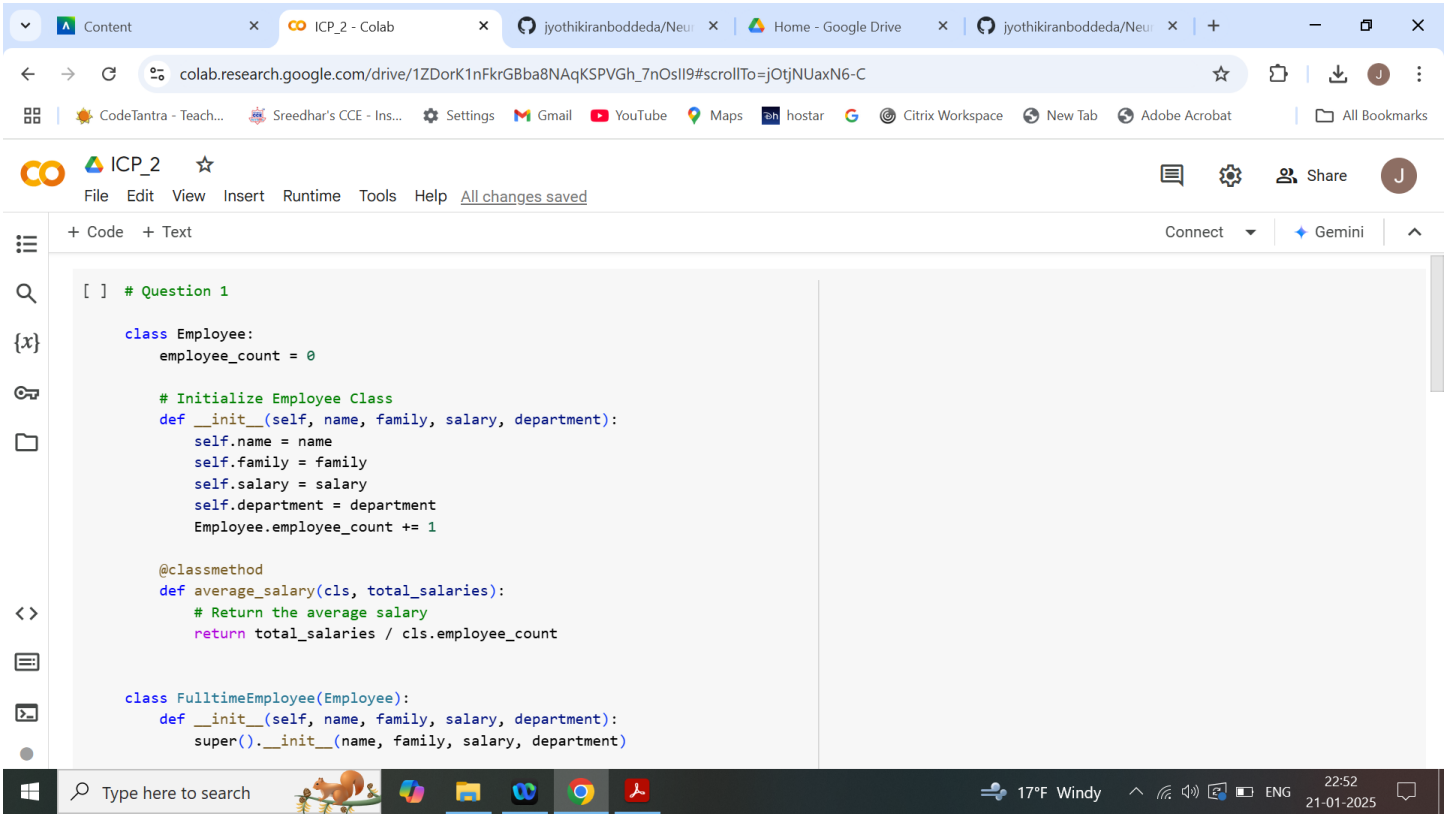
GITHUB LINK : https://github.com/jyothikiranboddeda/Neural-Network-Deep-Learning.git

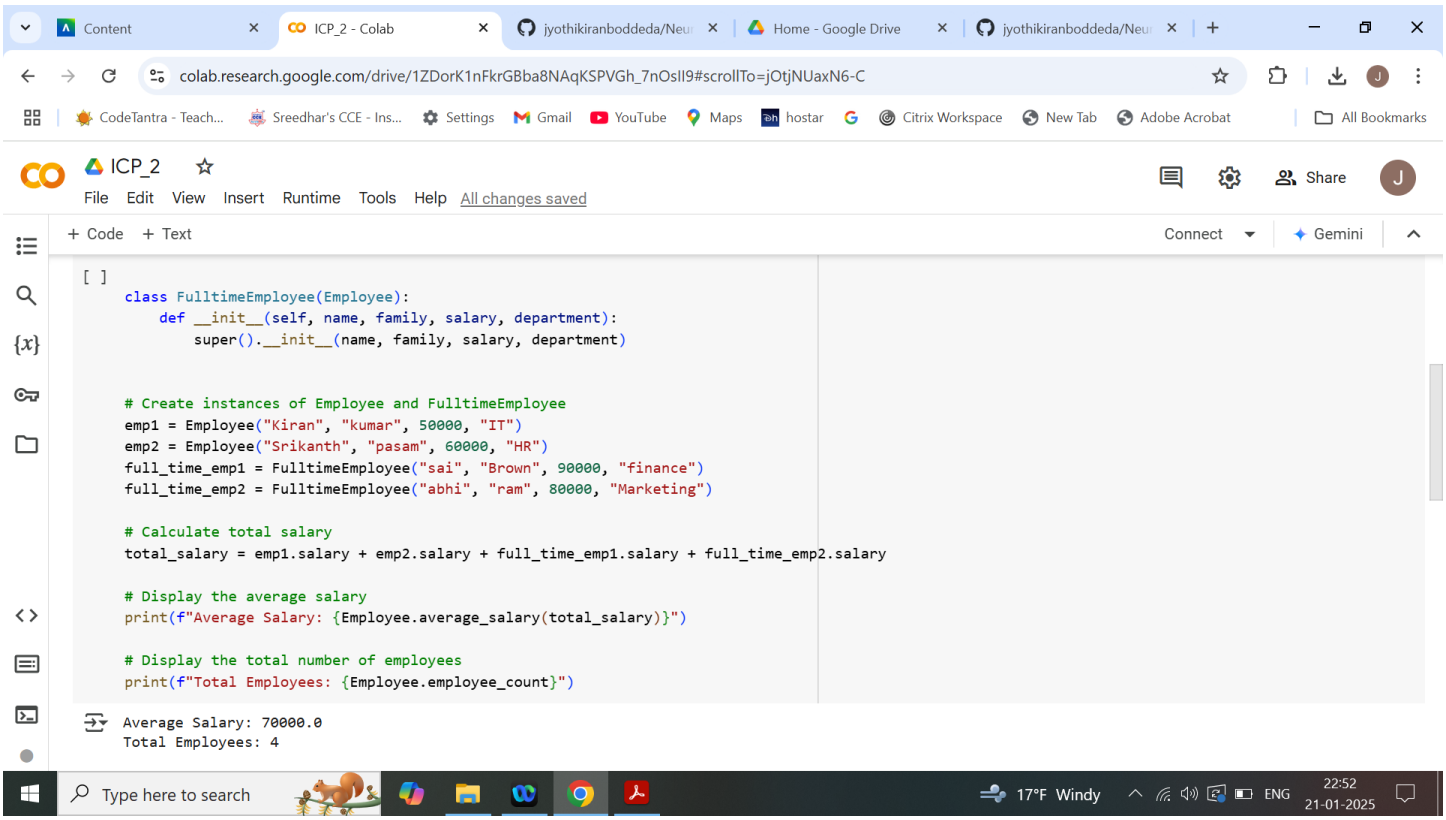
VIDEO LINK :
https://drive.google.com/file/d/1hACyICixftEk_v_veHCA00MrZJ2OUExw/view?usp=drive_link

In class programming:

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





Content | ICP_2 - Colab | jyothikiranboddeda/Neu | Home - Google Drive | jyothikiranboddeda/Neu

colab.research.google.com/drive/1ZDorK1nFkrGBba8NAqKSPVGh_7nOsII9#scrollTo=jOtjNUaxN6-C

CodeTantra - Teach... | Sreedhar's CCE - Ins... | Settings | Gmail | YouTube | Maps | hostar | Citrix Workspace | New Tab | Adobe Acrobat | All Bookmarks

ICP_2

File Edit View Insert Runtime Tools Help All changes saved

Share

+ Code + Text

Connect | Gemini

```
[ ]
    class FulltimeEmployee(Employee):
        def __init__(self, name, family, salary, department):
            super().__init__(name, family, salary, department)


    # Create instances of Employee and FulltimeEmployee
    emp1 = Employee("Kiran", "kumar", 50000, "IT")
    emp2 = Employee("Srikanth", "pasam", 60000, "HR")
    full_time_emp1 = FulltimeEmployee("sai", "Brown", 90000, "finance")
    full_time_emp2 = FulltimeEmployee("abhi", "ram", 80000, "Marketing")

    # Calculate total salary
    total_salary = emp1.salary + emp2.salary + full_time_emp1.salary + full_time_emp2.salary

    # Display the average salary
    print(f"Average Salary: {Employee.average_salary(total_salary)}")

    # Display the total number of employees
    print(f"Total Employees: {Employee.employee_count}")
```

```
Average Salary: 70000.0
Total Employees: 4
```

Type here to search | 17°F Windy | ENG | 22:52 21-01-2025

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)