

Employee Management CLI Application

Employee: First I create an Employee class which refers to the blueprint for creating a class object. In this Class constructor uses a private attribute to store the employee id. User getter and setter to get the employee id and set the employee id.

EmployeeManager: Do all of the required operations like adding, updating, deleting, searching and view all employees in the EmployeeManager class. In this class, the constructor declares an empty list to store all employee objects.

add_employee_list() for adding employee objects in the list. When a manager object is created add_employee_list loads existing employees from the file. Open the .txt file in read ("r") mode and split each object and convert each line into an Employee object and add it to the list.

save_employee() for save employees in the employees.txt file. Open the file in write mode and save all objects from employee_list.

add_employee() add a new employee to the list. Auto generate employeeid and create new employee object. Append the object in the employee list and call save_employee() method to save it in the employees.txt file.

update_employee() update employee information. Find the object using id and update the specific info.

delete_employee() to delete specific objects. Create a new employee_list without the id provided as a parameter. And update the file using save_employee() method.

view_all_employee() if the employee_list is not empty this method display all employee objects.

search_employee() search specific employee objects using name or designation.

Add Employee

```
1, Nure Alam Niloy, Jr. Python Developer, Software Development
2, Hridoy Chandra Paul, Frontend Developer, Software Development
3, Fouad Al Mahmud, Network Engineer, Network & Hardware
```

```
Enter output type = 1
Enter Employee name: Nure Alam Niloy
Enter Employee designation: Jr. Python Developer
Enter Employee department: Software Development
Employee added Successfully
PS N:\Django Projects\Employee CLI application> python
e CLI application\employee.py"
Enter output type = 1
Enter Employee name: Hridoy Chandra Paul
Enter Employee designation: Frontend Developer
Enter Employee department: Software Development
Employee added Successfully
PS N:\Django Projects\Employee CLI application> python
e CLI application\employee.py"
Enter output type = 1
Enter Employee name: Fouad Al Mahmud
Enter Employee designation: Network Engineer
Enter Employee department: Network & Hardware
Employee added Successfully
PS N:\Django Projects\Employee CLI application> █
```

##Update Employee Info

```
employees.txt
1 1, Nure Alam Niloy, Jr. Python Developer, Software Development
2 2, Hridoy Chandra Paul, Frontend Developer, Software Development
3 3, Fouad Al Mahmud, Hardware Engineer, None
4

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS Code + - [ ] [ ] ... ^
e CLI application\employee.py"
Enter output type = 2
Enter Employee Id: 3
Enter Employee Id: 3
Enter Employee name:
Enter Employee designation: Hardware Engineer
Enter Employee department: None
Employee update successfully
PS N:\Django Projects\Employee CLI application> █
```

##Delete Specific Employee

```
employees.txt
1 1, Nure Alam Niloy, Jr. Python Developer, Software Development
2 2, Hridoy Chandra Paul, Frontend Developer, Software Development
3 [Remove id=3 data]

Employee update successfully
PS N:\Django Projects\Employee CLI application> python -u "n:\Django Projects\Employee CLI application\employee.py"
Enter output type = 3
Enter Employee Id: 3
PS N:\Django Projects\Employee CLI application> [ ]
```

View All Employee

```
PS N:\Django Projects\Employee CLI application> python -u "n:\Django Projects\Employee CLI application\employee.py"
Enter output type = 4
1, Nure Alam Niloy, Jr. Python Developer, Software Development
2, Hridoy Chandra Paul, Frontend Developer, Software Development
PS N:\Django Projects\Employee CLI application> [ ]
```

Search Employee

```
Enter output type = 5
Enter Employee name:
Enter Employee designation: Developer
1, Nure Alam Niloy, Jr. Python Developer, Software Development
2, Hridoy Chandra Paul, Frontend Developer, Software Development
PS N:\Django Projects\Employee CLI application> [ ]
```

Search using designation

```
Enter output type = 5
Enter Employee name: Niloy
Enter Employee designation:
1, Nure Alam Niloy, Jr. Python Developer, Software Development
PS N:\Django Projects\Employee CLI application> [ ]
```

Search Result