1. Add any two below functionality to employeeService class
   1. Add Employee
   2. Edit employee Data
   3. Delete Specific Employee Record

Below is the code

export *interface* IEmployee

{

    id:*number*;

    name:*string*;

    designation:*string*;

    department:*string*;

    Gender:*string*;

}

import { IEmployee } from "./IEmployee";

export *class* EmployeeService

{

    emp:IEmployee[];

    details:*any*[];

    public getEmployees()

    {

        this.emp=[

            {

                id:1,

                name:'Mayura',

                designation:'Trainer',

                department:'Soft Eng',

                Gender:'Female'

            },

            {

                id:2,

                name:'Sam',

                designation:'HR Manager',

                department:'Human Resource',

                Gender:'Male'

            },

            {

                id:3,

                name:'James',

                designation:'Escalation Manager',

                department:'Support',

                Gender:'Male'

            },

            {

                id:4,

                name:'Smitha',

                designation:'Data Testing Engineer',

                department:'DTS',

                Gender:'Female'

            },

            {

                id:5,

                name:'Swathi',

                designation:'Tech Lead',

                department:'Soft Eng',

                Gender:'Female'

            },

        ]

        return this.emp;

    }

    public getEmployeesbyId(*id*:*number*):*any*

    {

        this.getEmployees();

        this.details=this.emp.filter(*e=>e*.id===*id*);

        return this.details;

    }

    public getEmployeeCount():*number*

    {

        return this.emp.length;

    }

    public getFemaleEmployeeCount():*number*

    {

        return this.emp.filter(*x=>x*.Gender=='Female').length;

    }

}

import { EmployeeService } from "./EmployeeService";

*let* e=new EmployeeService();

e.getEmployees();

console.log(e.getEmployeesbyId(4));

console.log("Female Count "+e.getFemaleEmployeeCount());

console.log("Employee Count" +e.getEmployeeCount());

1. Write a program in to calculate and print the Electricity bill of a given customer. The customer id., name and unit consumed by the user and display the total amount to pay to the customer. The charge are as follow :

|  |  |
| --- | --- |
| **Unit** | **Charge/unit** |
| upto 199 | @1.20 |
| 200 and above but less than 400 | @1.50 |
| 400 and above but less than 600 | @1.80 |
| 600 and above | @2.00 |

 If bill exceeds Rs. 400 then a surcharge of 15% will be charged and the minimum bill should be of Rs. 100/-

1. Implement Function Overloading and Enum.
2. Extend the Bank Application by adding Class which will store the transaction history of an employee.