

# OOP – practice\_w11

## 1) Employee

### a) Filed or Data Member

- i) nextId (private static int)
- ii) id (private int)
- iii) name (private Gender)
- iv) salary (private double)
- v) employeeType (private EmployeeType)

### b) Constructor

- i) No\_Argument Constructor
- ii) Parameterized Constructor
  - (1) Id (int)
  - (2) name (String)
  - (3) gender (Gender)
  - (4) salary (double)
  - (5) employeeType (EmployeeType)

### c) Override Methode

- i) toString (public String)

### d) Methodes

- i) Getter
  - (1) getID (public int)
  - (2) getName (public String)
  - (3) getGender (public Gender)
  - (4) getSalary (public double)
  - (5) getEmployeeType (public EmployeeType)
- ii) Setter
  - (1) setID (public void int)
  - (2) setName (public void String)
  - (3) setGender (public void Gender)
  - (4) setSalary (public void double)
  - (5) setEmployeeType (public void EmployeeType)

## 2) EmployeeService

- a) createEmployees (public Employee[]) (int n)
- b) createEmployee (public Employee)
- c) inputData (public String) (String name)
- d) inputDataGender (public void) (Employee employee)
- e) inputDataTypeOfEmployee (public void) (Employee employee)
- f) calculateBonus (public double) (Employee employee)

- g) **TotalPaymentOfEmployee** (public double) (Employee employee)
- h) **TotalPaymentAllOfEmployee** (public double) (Employee[] employees)
- i) **countEmployeeByGender** (public static int) (Employee[] employees , Gender gender)

### 3) Enum

- a) **EmployeeType**
  - i) FULL\_TIME
  - ii) PART\_TIME
  - iii) INTERNSHIP
- b) **Gender**
  - i) MALE
  - ii) FEMALE