A Question 2: (3 marks)

Write a class named **Employee** and a class named **Developer** extended from **Employee** (i.e. **Employee** is a super class and **Developer** is a sub class) with the following information:

Employee

- salary: double
- experience: int
- + Employee()
- + Employee(salary: double, experience: int)
- + getSalary(): double
- + setSalary(salary: double): void
- + getExperience(): int
- + setExperience(experience: int): void
- + calculateBonus(): double

Developer

- projects: int
- + Developer()
- + Developer(salary: double, experience: int, projects: int)
- + toString(): String
- + getLevel(): String

Where:

- Employee() Default constructor that initializes salary and experience to 0.
- Employee(salary: double, experience: int)
 - Constructor that initializes salary and experience with the given values.
- getSalary(): double Returns the value of salary.
- setSalary(salary: double): void Sets the value of salary.
- getExperience(): int Returns the value of experience.
- setExperience(experience: int): void Sets the value of experience.
- calculateBonus(): double Calculates the bonus based on experience years, knowing that: bonus = salary * (experience * 0.05).
 For example, if an employee has 2 years of experience, they will receive a bonus of 10% of their salary.

Where:

- Developer() Default constructor, calls the parent class constructor and sets projects to 0
- Developer(salary: double, experience: int, projects: int) - Constructor that initializes projects, salary, and experience with the given values.
- getLevel(): String Returns description of the developer's level. If the number of projects is greater than or equal to 5, it returns "Senior Developer"; otherwise, it returns "Junior Developer". The returned content does not contain double quotation marks.
- toString(): String Returns a string in the format: salary-experience-projects-getLevel(), where each value is separated by a hyphen. Salary must be formatted to two decimal places.

Do not format the result. The program output might look something like this:

20 not format the result in program output might took something the this.	
Enter salary: 1000000	Enter salary: 5000000
Enter experience (in years): 2	Enter experience (in years): 2
Enter number of projects: 1	Enter number of projects: 10
1. Test calculateBonus()	1. Test calculateBonus()
2. Test getLevel()	2. Test getLevel()
3. Test toString()	3. Test toString()
Enter TC(1/2/3): 1	Enter TC(1/2/3): 2
OUTPUT:	OUTPUT:
100000.00	Senior Developer
Enter salary: 5000000	Enter salary: 5000000
Enter experience (in years): 2	Enter experience (in years): 2
Enter number of projects: 4	Enter number of projects: 10
1. Test calculateBonus()	1. Test calculateBonus()
2. Test getLevel()	2. Test getLevel()
3. Test toString()	3. Test toString()
Enter TC(1/2/3): 2	Enter TC(1/2/3): 3
OUTPUT:	OUTPUT:
Junior Developer	5000000.00-2-10-Senior Developer