OOP Inheritance - Practice

Most important - Feel free to be CREATIVE !

This practice part will be All-Included-Methods-Topics.
Meaning, a mix of all topics regarding methods will appear here.

We will create 2 classes :

1. Parent class - Employee
2. Child class - Programmer

Employee class would have :

- ★ #1 property - self.years_of_experience [Integer]
- ★ #2 property - self.position_name [String]
- ★ #3 property - self.employee_name [String]

- ❖ #1 method - calculate_salary()
  Create a 'calculated_salary' variable based these parameters:

  - Base salary is 2500

  - Between 0-2 years of experience, including 2, salary raises by 1500
  - Between 2-5 years of experience, including 5. salary raises by 2500
  - Above 5 years of experience salary raises by 3500
  - Take into consideration if wrong value is inserted

  - Print the 'calculated_salary'
  - return the calculated salary

❖ #2 method - candidate_for_bonus()
Would calculate the salary based on 2 properties :
position_name and years_of_exprience.

- Pass the calculated_salary variable, and add bonus on top of it

> Create a calculation based on the following parameters <

- A bonus of 0.1 out of the monthly calculated salary will be handed to all 'front_end' developers
(Check hint at the end of the page)

- An additional bonus 0f 0.2 will be given to all employee who has above 2 years of experience (Employee cannot get 2 bonuses)

Programmer class would have :

- Should inherit all methods and properties
- #1 method - print 'name of employee' , 'position', in your own sentence. **(Use string formatting)**

Create 2 instances:

1. junior_python_programmer : which will get the values : 1, "front-end", "Joseph"

2. senior_devops : which will get the values : 6, "senior_devops", "Dan"

Hint :
To check whether a certain phrase appears in another phrase,
by using an 'if', use this template : if 'abc' in 'abcd'.

That will check whether 'abc' appears in 'abcd' and return a 'True' or 'False' value