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0 🪙 0 XP

LEARNING PATH - CLASS DIAGRAMS

0 🪙 0 XP

Learning Activity 0 / 5

STUDY 

QUIZ 

PRACTICE 

GREEN BELT 

EXTRA QUESTION 

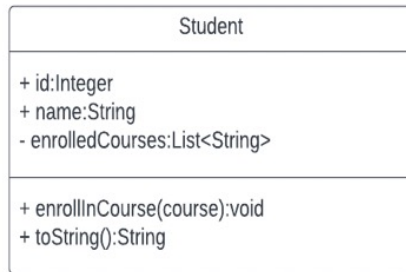
Class in Class diagram

Class is a template or blueprint for creating objects, and each class contains 2 important elements:

- attribute: A property or characteristic of a class or object
- method: A behavior or action that a class can perform

Example Class of Class diagram

Student Class



The Student class represents a student in a school.

Attributes

- **+ id:** (public) the unique identifier for the student
- **+ name:** (public) the student's name
- **- enrolledCourses:** (private) an array of Course objects representing the courses the student is currently enrolled in

QUIZ

Learning Path - Class Diagrams

What is the purpose of the Student class?

TO REPRESENT A TEACHER IN A SCHOOL

TO REPRESENT A STUDENT IN A SCHOOL

TO REPRESENT A COURSE IN A SCHOOL




TO REPRESENT A BUILDING IN A SCHOOL

CANCEL



✓ QUIZ

You earned 10  and 10 XP

 0 move(s)  0 error(s)  0 seconds

RESUME TO DASHBOARD →



demoPath

15 🪙 10 XP

LEARNING PATH - CLASS DIAGRAMS 10 🪙 10 XP

Learning Activity 2 / 5



STUDY
0 🪙 0 XP

QUIZ
10 🪙 10 XP

PRACTICE

GREEN BELT

EXTRA QUESTION

PRACTICE**Learning Path - Class Diagrams**

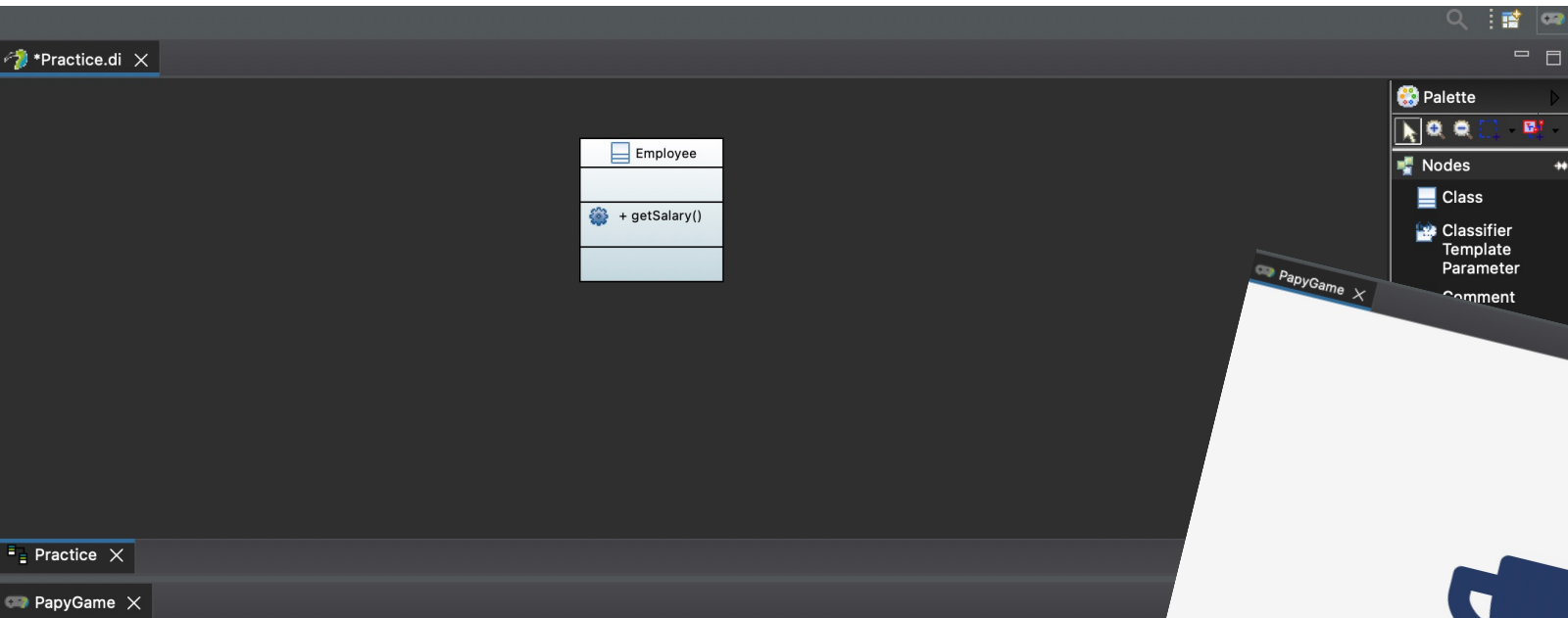
Please create a Class in class diagram named: "Employee" with following attributes and methods

Attributes

- **id:** the unique identifier for the employee
- **name:** the employee's name
- **salary:** the employee's salary

Methods

- **getSalary():** returns the employee's salary
- **setSalary(salary):** sets the employee's salary to the specified value
- **toString():** returns a string representation of the employee

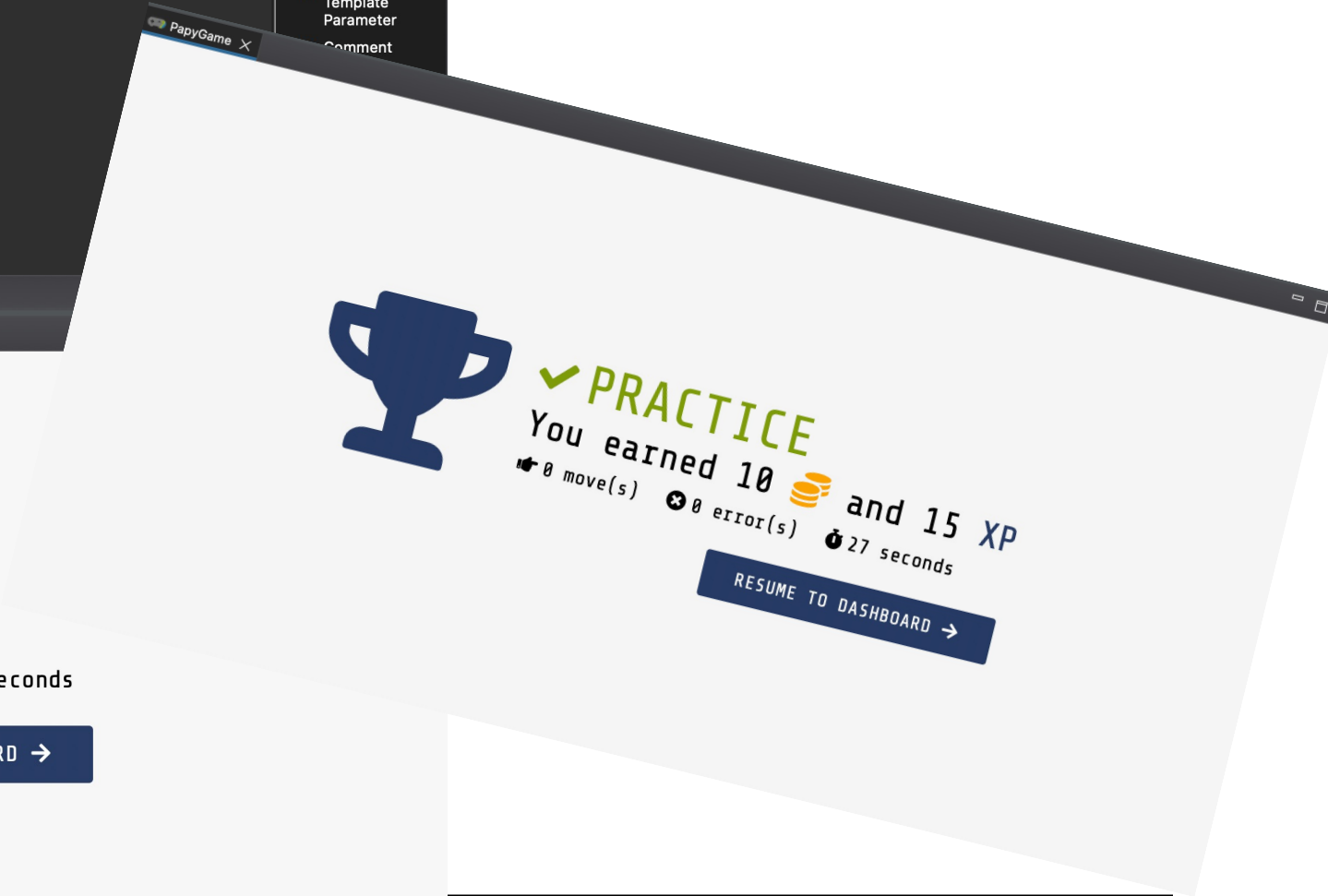


✗ PRACTICE

Please Retry

👉 0 move(s) ✖ 0 error(s) ⌚ 0 seconds

[RESUME TO DASHBOARD →](#)





demoPath

20 25 XP

LEARNING PATH - CLASS DIAGRAMS

20 25 XP

Learning Activity 3 / 5



STUDY
0 0 XP

QUIZ
10 10 XP

PRACTICE
10 15 XP

GREEN BELT

EXTRA QUESTION



GREEN BELT

Learning Path - Class Diagrams

🎉 Great news! You have achieved the prestigious Green Belt. Now you have unlocked an extra level of expertise! 🏆🔒



CANCEL

I'M READY



demoPath

20 25 XP

LEARNING PATH - CLASS DIAGRAMS

20 25 XP

Learning Activity 4 / 5



STUDY
0 0 XP

QUIZ
10 10 XP

PRACTICE
10 15 XP

GREEN BELT
0 0 XP

EXTRA QUESTION

EXTRA QUESTION

Learning Path - Class Diagrams

What is an abstract class in a UML class diagram?

A CLASS THAT CANNOT BE INSTANTIATED AND ONLY SERVES AS A SUPERCLASS FOR OTHER CLASSES.

A CLASS THAT HAS NO METHODS OR ATTRIBUTES AND ONLY EXISTS TO PROVIDE A NAMESPACE FOR RELATED CLASSES.

A CLASS THAT REPRESENTS AN INTERFACE THAT OTHER CLASSES MUST IMPLEMENT.

A CLASS THAT IS NOT RELATED TO ANY OTHER CLASSES IN THE DIAGRAM.

CANCEL



✓ EXTRA QUESTION

You earned 15 🪙 and 0 XP

👉 0 move(s) ✖ 0 error(s) ⌚ 0 seconds

RESUME TO DASHBOARD →



demoPath

35 🪙 25 XP

LEARNING PATH - CLASS DIAGRAMS

35 🪙 25 XP

Learning Activity 5 / 5



STUDY
0 🪙 0 XP

QUIZ
10 🪙 10 XP

PRACTICE
10 🪙 15 XP

GREEN BELT
0 🪙 0 XP

EXTRA QUESTION
15 🪙 0 XP