

# Home Assignment. Subclasses

Mentor-Review

Module 2

Unit 2

Lesson 1

## You need to submit this task for review.

Watch the video lessons to complete this task. If you have any questions, you may ask your mentor's help via the use the real time chat on the learning platform. You can find it on the down right corner of your screen.

After you submit the completed task, mentors will review it and send their feedback via email. Don't worry if your work is not approved: you can always retake the assignment, and it won't affect your final grade.

## Goal

Your client is a company named MHA that wants to track information about their employees: what they do and how much they earn. Create an employee system to provide this information.

## Instructions

To accomplish this goal, follow these steps:

- ❶ Create a class named "Employee."
- ❷ Make a field "companyName" with the value "MHA" for each object based on this class. Thus, every new employee will be automatically enrolled in the company.
- ❸ Create fields for an employee's name and salary.
- ❹ Create two functions for this class that will print on the console:
  - Introduction of an employee
  - An employee's salary amount
- ❺ Create a new file.
- ❻ In the new file, create a subclass named "Developer" based on the "Employee" class. All the web developers in the company will be added to the employee system using this subclass. The subclass automatically inherits the company name from the class.
- ❼ Create fields for an employee's name, salary, and specialty. Specialty means the sphere of an employee's competence (e.g. front-end development).
- ❽ Create two functions for this subclass that will print on the console:
  - What is an employee's specialty
  - Where an employee works
- ❾ Create an object based on the subclass "Developer." Name it as you wish.

**Hint:** As an example, you can write your name and desired salary.

- ❿ Use the four functions you created in both the class and subclass. You should see 4 strings about the new employee on the console.
- ⓫ Save your work, and convert it to a ".zip" file.

## Expected Outcome

After completing the assignment, you should see the following result on the console:

Hi, my name is Izuku.

Izuku's salary is \$2000.

I am a web developer specializing in front-end development.

I work at MHA.

**Hint:** If you are struggling with writing code from scratch, take [this code](#), and fill it up.

## How to upload completed tasks

To upload the assignment, make a ".zip" archive containing all the necessary files, and upload the file here.