



TASK

Capstone Project III - OOP

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Introduction

WELCOME TO THE THIRD CAPSTONE PROJECT!

Welcome to your third Capstone Project! Well done on getting this far! This Capstone is a milestone in your learning so far. In this project, you will be using object-oriented programming to create a solution for a real-world problem. Remember, it is worth putting some extra time and effort into this project. It will eventually become part of your developer portfolio.



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Remember that with our courses, you're not alone! You can contact an expert code reviewer to get support on any aspect of your course.

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The best way to get help is to login to Discord at <https://discord.com/invite/hyperdev> to start a chat with a code reviewer, as well as share your thoughts and problems with peers. You can also schedule a call or get support via email.



DEVELOPER PORTFOLIO

Developers who have the edge are those who find ways to apply their newfound skills from the get-go. A developer portfolio (a collection of online creations that you have made) allows you to demonstrate your skills rather than just telling people about them. It's a way of bringing your CV to life and introducing yourself to the world. As you learn more skills and put these into practice, each project that you complete will become more efficient and eye-catching. Object-oriented programming is one of the most important programming paradigms today! Prospective employers will want evidence that a Web Developer is comfortable using object-oriented programming. This application series offers you the means to develop an object-oriented program to add to your developer portfolio.

Compulsory Task 1

Create a script (**manage.js**) that 'manages' different kinds of employees in a sales department. Each month, all the employees have an employee-specific sales target expressed as the number of successful sales. Your script will showcase how the compensation of such employees will be managed.

Assume that you have the following kinds of employees:

- **Salaried employees**
 - Paid a basic flat salary every month
 - Salary may be increased by 10% if the employee exceeded the month's sales target
- **Hourly employees**
 - Paid per hour
 - Monthly salary depends on the number of hours logged
 - The hourly rate may be increased by 50% if the employee exceeds the month's sales target
- **Hybrid employees**
 - Paid a basic flat salary every month
 - Paid for any additional hours they log
 - The hourly rate may be increased by 20% if the employee exceeds the month's sales target

For each of the different kinds of employees, you are required to:

- Calculate their payout at the end of the month based on the above criteria.
- Display their names, employee type, and payout with the formula used to calculate it. Ensure that your payout printout includes the currency.
- Create at least two instances of each kind of employee and perform the above actions.
- You may set your own sales targets and fabricate data as needed.



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