

Exercises

Remember... the projects for each exercise below should be in their own subfolder under `Mod03`.

EXERCISE 1

Create a Java application named `PayrollCalculator` that prompts the user to enter:

- their name
- their hours worked (a floating point number)
- their pay rate (a floating point number)

Then, calculate their gross pay. Even though we haven't discussed `if` statements yet, you should be able to figure out how to pay 1.5x overtime after 40 hours. The `if` statement to compare numbers in Java is almost identical to that in JavaScript.

Display the employee's name and their gross pay.

EXERCISE 2

Create a Java application named `BasicCalculator` that reads in two floating point numbers and then asks the user whether they want to add, subtract, multiply or divide the two numbers. Perform the requested operation and display the results.