

PA 3 - EmployeePayroll.Java

Codegain

Due Date: Meeting 4

Before you begin, you should:

- Have your Java compiler (JDK) already working
- Know how to write a basic Java program
- Fully grasp the concept of types
- Understand how to create methods

In this programming assignment, we will:

- Calculate employee's weekly payroll using methods
- Utilize if-statements
- Receive user input through the console

1 Summary of Rules

- An employee gets paid (hours worked) * (base pay), for each hour up to 40 hours.
- Every hour after the initial 40 hours is considered overtime.
- Every overtime hour = (base pay) * 1.5
- The base pay must be at least minimum wage (\$7.00).
 - If it is below minimum wage, print an error.
- An employee cannot work more than 60 hours per week.
 - If an employee works for more than 60 hours, print an error.

2 Instructions

Create a method *calculateCheck* that takes in 2 arguments: *basePay* and *hoursWorked*. Your logic should return total weekly paycheck for the employee.

3 Example Outputs

```
>> What is your name?  
> John  
>> How many hours did you work this week?  
> 100  
>> John, you worked too many hours this week! Try again.
```

```
>> What is your name?  
> John  
>> How many hours did you work this week?  
> -1  
>> John, you can't work that many hours! Try again.
```

```
>> What is your name?  
> John  
>> How many hours did you work this week?  
> 30  
>> What is your base pay?  
> 4  
>> John, you are working below minimum wage! Try again.
```

```
>> What is your name?  
> John  
>> How many hours did you work this week?  
> 30  
>> What is your base pay?  
> 8  
>> John, your paycheck for this week is $240!
```

Hint: Make sure you check all corner cases and work on your program in *steps*. Don't try to complete the whole assignment without testing each functionality! Take a close look at all the outputs to make the correct error statements. Good luck!