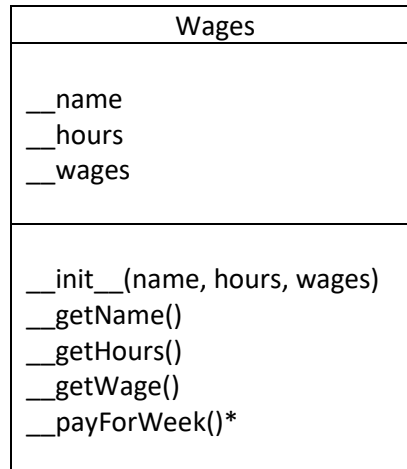


Exercise 1: Employee Payroll **firstname_lastname_CH10PE1**

Write a program that asks for an hourly worker's name, hours worked, and hourly wage, and then calculates their weekly pay.

The program should contain a class named Wages and follow the UML below.



*Hint: Use an if statement to determine if you need to calculate regular or overtime pay. Return formatted value.

- Any hours worked over 40 should calculate at time and a half. **This must be calculated in the Wages object.**
- **You must use the Wage's class methods to return name, wage, and hour.** Hint: Return the value formatted to the main so you can use the value in a print statement.
- Modify the functions you used from Chapter 9 to do input validation and your run the program again functions. Do not recreate the wheel.
- Input validation should check for numbers and non-zero values. No input validation needs to be completed on the name.

The program will create a class that stores an employees name and calculates weekly pay

Enter employee's name: Joseph Silman
Enter number of hours worked: a
Value must be a number greater than 0!
Enter number of hours worked: -1
Value must be a number greater than 0!
Enter number of hours: 0
Value must be a number greater than 0!
Enter number of hours: 10
Enter your hourly wage: u
Value must be a number greater than 0!
Enter your hourly wage: -1
Value must be a number greater than 0!
Enter your hourly wage: 0
Value must be a number greater than 0!
Enter your hourly wage: 10

You entered that Joseph Silman worked 10.00 hour(s) this week.
You entered that Joseph Silman earns \$10.00 per hour.
Pay for Joseph Silman is \$100.00

Do you want to run the program again? ('Y' for yes, anything else to quit)
Y

The program will create a class that stores an employees name and calculates weekly pay

Enter employee's name: Joseph Silman
Enter number of hours worked: 45
Enter your hourly wage: 10

You entered that Joseph Silman worked 45.00 hour(s) this week.
You entered that Joseph Silman earns \$10.00 per hour.
Pay for Joseph Silman is \$475.00

Do you want to run the program again? ('Y' for yes, anything else to quit)