

P4HW2 Instructions

Introduction:

Assignment assess student ability to edit and enhance exiting programs

Instructions:

For assignment P4HW2, you will build on P3HW2 assignment. The program however will calculate gross pay for multiple employees, determined by user, and also calculates total amount paid for overtime, total amount paid for regular pay and total amount paid for all employees.

Program breakdown below:

1. Asks the user employee name
2. Enter user pay rate and hours worked
3. Calculate overpay and regular pay. Store these values in variables, at the end of the program you will display overtime total, regular pay total, gross pay total, and number of employees entered
4. Ask user to enter another employee's name to calculate salary for or "Done" to terminate program.
Note we are using sentinels here.
5. When user chooses to stop entering employee information , display results as shown in image below.
6. **THE PROGRAM ONLY TERMINATES IF THE USER ENTERS "Done" for employee name.**

Example of output is shown below (Note that results may vary depending on score entered)

```
Enter employee's name or "Done" to terminate: Nancy Drew
How many hours did Nancy Drew work? 39
What is Nancy Drew's pay rate? 20
```

```
Employee name: Nancy Drew
```

Hours Worked	Pay Rate	OverTime	OverTime Pay	RegHour Pay	Gross Pay
39.0	20.00	0.0	0.00	\$780.00	\$780.00

```
Enter employee's name or "Done" to terminate: Rick Hardy
How many hours did Rick Hardy work? 45
What is Rick Hardy's pay rate? 18.5
```

```
Employee name: Rick Hardy
```

Hours Worked	Pay Rate	OverTime	OverTime Pay	RegHour Pay	Gross Pay
45.0	18.50	5.0	138.75	\$740.00	\$878.75

```
Enter employee's name or "Done" to terminate: Done
```

```
Total number of employees entered: 2
Total amount paid for overtime: $138.75
Total amount paid for regular hours: $1520.00
Total amount paid in gross: $1658.75
```

7. Once finished, submit the finished code file through the assignment link in this folder.

Notes: Write program Pseudocode (detail algorithm) and add it as a comment block. (10 points)

- Rename your Python file P4HW2_LastnameFirstname.py (replace "LastnameFirstname" with your own last and first names)
- Add a title comment block to the top of the new Python file using the following form:

```
# Your Name
```

```
# Date
```

```
# Assignment Name
```

```
# A brief description of the project
```

- Complete the programming challenge explained above
- Submit your finished code through the P4HW2 assignment link by the posted deadline

Grading Criteria:

Refer to the grading criteria posted in the "**Grading**" document.

Note : ONLY USE PROGRAMMING METHODS LEARNED UP TO THIS POINT IN CLASS. If submission doesn't comply , you will get a grade of "1".