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# Date: June 30, 2025
# P3HW2
# This program calculates an employee's regular pay, overtime pay, and gross pay.

# Description: This program calculates an employee's regular pay, overtime pay, and gross pay.

# Pseudocode:
# 1. Ask for employee's name, hours worked, and pay rate
# 2. If hours > 40: calculate overtime and regular separately
#     Else: all hours are regular
# 3. Calculate gross pay
# 4. Display results in a formatted table
# 5. Pause program so window doesn't close immediately

# Input
employee_name = input("Enter employee's name: ")
hours_worked = float(input("Enter number of hours worked: "))
pay_rate = float(input("Enter employee's pay rate: "))

# Calculations
if hours_worked > 40:
    overtime_hours = hours_worked - 40
    regular_hours = 40
else:
    overtime_hours = 0
    regular_hours = hours_worked

regular_pay = regular_hours * pay_rate
overtime_pay = overtime_hours * pay_rate * 1.5
gross_pay = regular_pay + overtime_pay

# Output
print("\n-----")
print(f"Employee name:\t{employee_name}\n")
print("Hours Worked      Pay Rate      OverTime      OT Pay      Reg Pay      Gross Pay")
print("-----")
print(f'{hours_worked:<15.2f}{pay_rate:<15.2f}{overtime_hours:<15.2f}${overtime_pay:<13.2f}${regular_pay:<13.2f}${gross_pay:<.2f}')
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Pause to keep window open

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input("\nPress Enter to exit...")
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