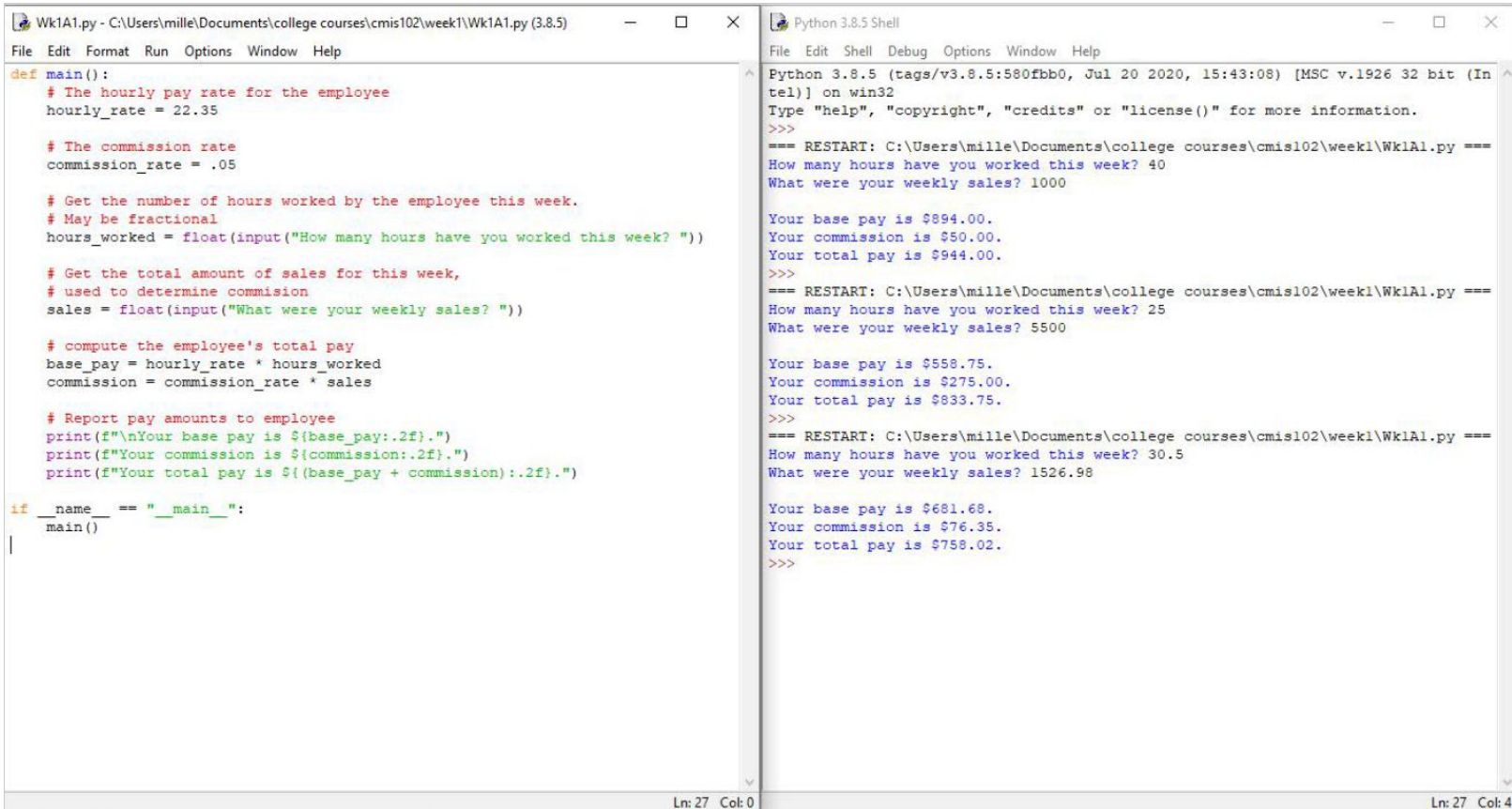My program calculates an employee's total earnings for a week based on their base pay and commission on weekly sales. I tested my program by inputting in values for the hours worked and weekly sales amounts. Because my program supports fractional values for both variables, I tested it with both floating point and integer values.

Wk1A1.py - C:\Users\mille\Documents\college courses\cmis102\week1\Wk1A1.py (3.8.5) — □ ✕

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```python
def main():
    # The hourly pay rate for the employee
    hourly_rate = 22.35

    # The commission rate
    commission_rate = .05

    # Get the number of hours worked by the employee this week.
    # May be fractional
    hours_worked = float(input("How many hours have you worked this week? "))

    # Get the total amount of sales for this week,
    # used to determine commision
    sales = float(input("What were your weekly sales? "))

    # compute the employee's total pay
    base_pay = hourly_rate * hours_worked
    commission = commission_rate * sales

    # Report pay amounts to employee
    print(f"\nYour base pay is ${base_pay:.2f}.")
    print(f"Your commission is ${commission:.2f}.")
    print(f"Your total pay is ${(base_pay + commission):.2f}.")

if __name__ == "__main__":
    main()
```

Ln: 27 Col: 0

Python 3.8.5 Shell — □ ✕

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```
Python 3.8.5 (tags/v3.8.5:580fbb0, Jul 20 2020, 15:43:08) [MSC v.1926 32 bit (In
tel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
=== RESTART: C:\Users\mille\Documents\college courses\cmis102\week1\Wk1A1.py ===
How many hours have you worked this week? 40
What were your weekly sales? 1000

Your base pay is $894.00.
Your commission is $50.00.
Your total pay is $944.00.
>>>
=== RESTART: C:\Users\mille\Documents\college courses\cmis102\week1\Wk1A1.py ===
How many hours have you worked this week? 25
What were your weekly sales? 5500

Your base pay is $558.75.
Your commission is $275.00.
Your total pay is $833.75.
>>>
=== RESTART: C:\Users\mille\Documents\college courses\cmis102\week1\Wk1A1.py ===
How many hours have you worked this week? 30.5
What were your weekly sales? 1526.98

Your base pay is $681.68.
Your commission is $76.35.
Your total pay is $758.02.
>>>
```

Ln: 27 Col: 4