

PythonProject4Version control

Current File

PythonProject4

main.py

Project

mainpy1 [PythonProject4] ~/PycharmProjects/mainpy1

.venv

bin

lib

.gitignore

pyvenv.cfg

.venv1

External Libraries

Scratches and Consoles

1

Prompt the user to enter the KW hours used

2

kwh_used = int(input("Enter the kWh used: "))

3

4

5

Define the rates

6

rate_first_1000 = 7.633 # cents per kWh

7

rate_over_1000 = 9.259 # cents per kWh

8

Calculate the total cost in cents

9

if kwh_used <= 1000:

10

total_cost_cents = kwh_used * rate_first_1000

11

else:

12

total_cost_cents = 1000 * rate_first_1000 + (kwh_used - 1000) * rate_over_1000

13

14

Convert the total cost to dollars

15

total_cost_dollars = total_cost_cents / 100

16

17

Output the result rounded to two decimal places

18

print(f"Amount owed is \${total_cost_dollars:.2f}")

19

20

21

22

23

Run

main

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/Users/kidmardesir/PycharmProjects/mainpy1/.venv1/bin/python /Users/kidmardesir/Desktop/VALENCIA COLLEGE/main.py

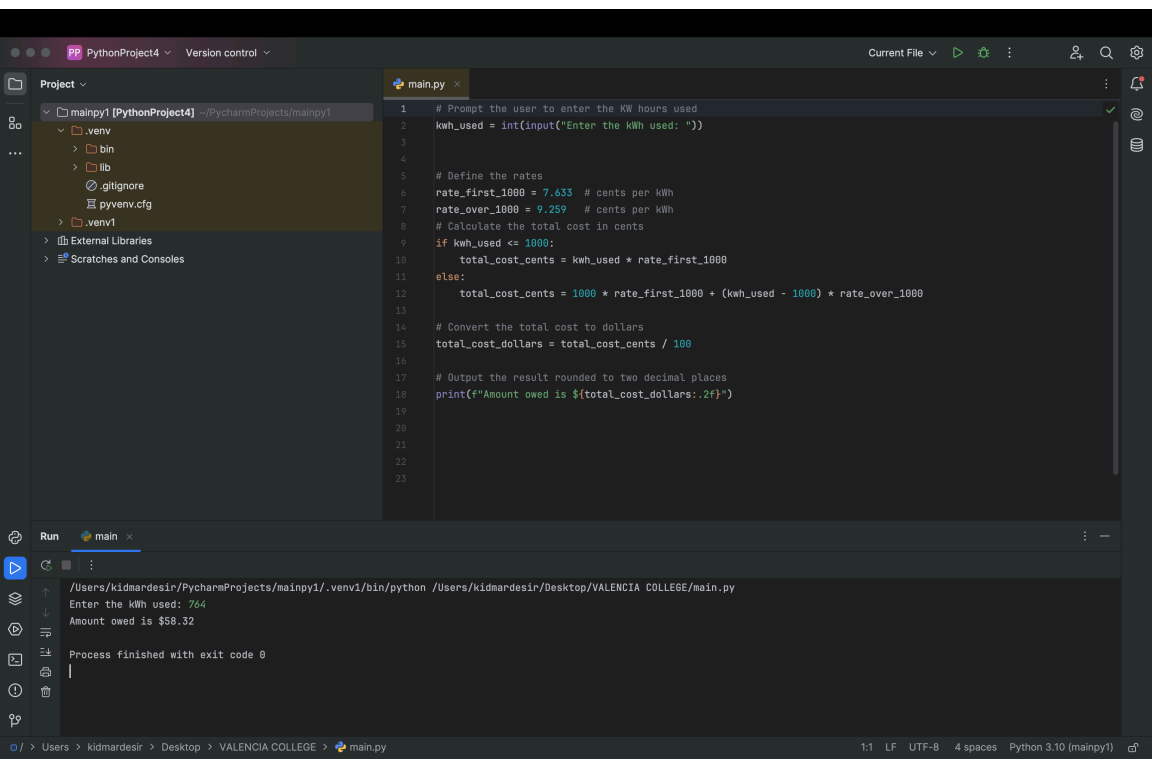
Enter the kWh used: 1500

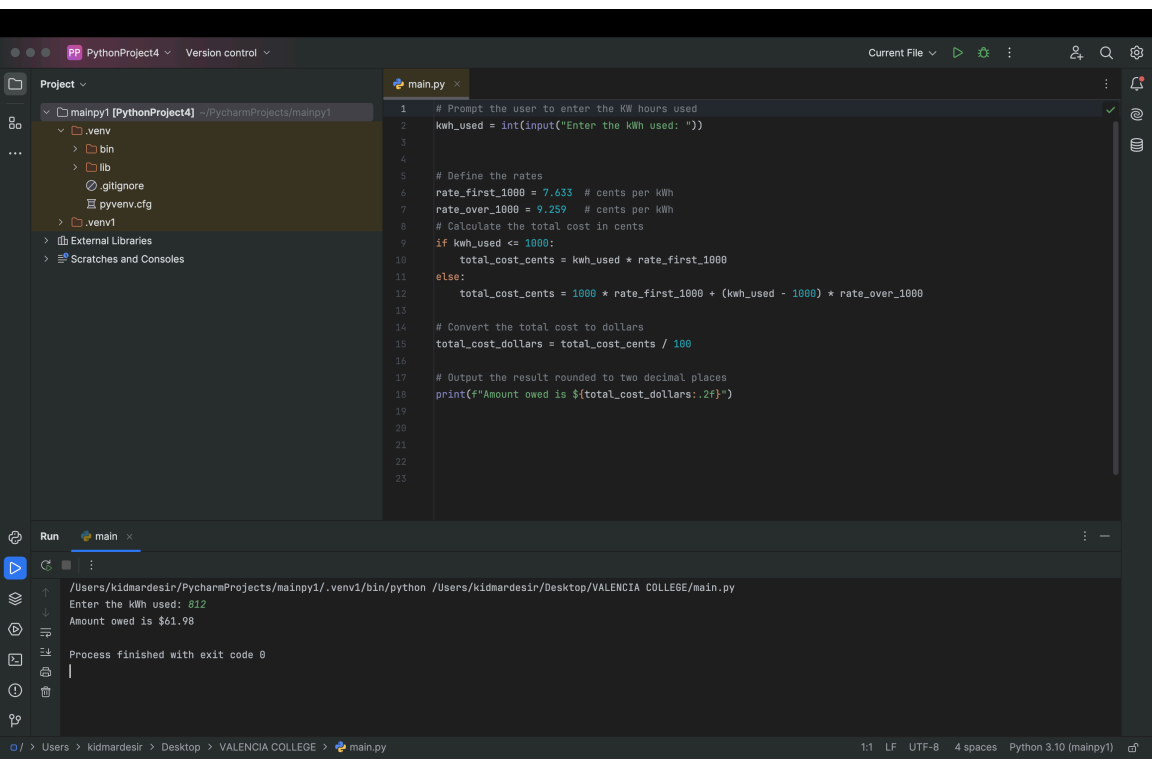
Amount owed is \$122.62

Process finished with exit code 0

Users > kidmardesir > Desktop > VALENCIA COLLEGE > main.py

1:1 L F UTF-8 4 spaces Python 3.10 (mainpy1)





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Convert the total cost to dollars

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total_cost_dollars = total_cost_cents / 100

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Output the result rounded to two decimal places

18

print(f"Amount owed is \${total_cost_dollars:.2f}")

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Run

main

/Users/kidmardesir/PycharmProjects/mainpy1/.venv1/bin/python /Users/kidmardesir/Desktop/VALENCIA COLLEGE/main.py

Enter the kWh used: 1215

Amount owed is \$96.24

Process finished with exit code 0

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1:1 L F UTF-8 4 spaces Python 3.10 (mainpy1)