

5.19 LAB: Exact change - functions

Write a program with total change amount as an integer input that outputs the change using the fewest coins, one coin type per line. The coin types are dollars, quarters, dimes, nickels, and pennies. Use singular and plural coin names as appropriate, like 1 penny vs. 2 pennies.

Ex: If the input is:

0

or less, the output is:

no change

Ex: If the input is:

45

the output is:

1 quarter
2 dimes

Your program must define and call the following function. The function `exact_change()` should return `num_dollars`, `num_quarters`, `num_dimes`, `num_nickels`, and `num_pennies`.

```
def exact_change(user_total)
```

247772.2201088.qx3zqy7

LAB ACTIVITY

5.19.1: LAB: Exact change - functions

0 / 10

ma...py

Load default template

1 *# Define your function here*

2

3 **if** `__name__` == `'__main__'`:

4 `input_val` = **int**(`input`())

5 `num_dollars`, `num_quarters`, `num_dimes`, `num_nickels`, `num_pennies` = `exact_change`(`input_val`)

6

7 *# Type your code here.*

8

Develop mode

Submit mode

Run your program as often as you'd like, before submitting for grading. Below, type any needed input values in the first box, then click **Run program** and observe the program's output in the second box.

Enter program input (optional)

If your code requires input values, provide them here.

Run program

Input (from above) →

main.py

(Your program)

→

Output (shown below)

Program output displayed here

Signature of your work

[What is this?](#)

History of your effort will appear here once you begin working on this zyLab.

Feedback?

[↓ 6.1 Lists](#)