

Make-up Quizzes

Skill	Starter Code	Question
Latex	Lab Journal	1. Add a new section 2. Add a new column to a table
Variables & Types	Lab 3 Solution	Change the cost calculation order. The 13% tax is applied before the flat delivery charge
Operators & Expressions		Change the cost calculation. Instead of delivery rate being flat \$3.99, change it to flat \$2.99 plus an additional 3% of the total value
Strings	Lab 6 Solution	Modify the email validation module so that the email address must end with “.ca” or “.com”
Selection		Update the email validation module to ensure that there is exactly 1 at '@' symbol in the email address
Loops	Lab 7 Solution	Modify the function cheapest_pizza so that instead of returning the cheapest pizza name, it returns the tuple (name, price) for the cheapest pizza
Lists, Tuples		Modify the function cheapest_pizza so that it returns the index (integer position) of the cheapest pizza inside the original list instead of its name.
Dictionaries, Sets	Lab 8 Solution	Modify Task 1 such that second argument (category) is a list of categories and the functions returns all menu items that belong to any of those categories
Advanced Data Structure		Modify Task 3 such that menu items with missing ingredients are labelled as (is_vegetarian: False)
Debugging	catch-up-debug.py (Quercus >> Modules >> Labs)	Add two doctest testcases and then debug to fix error
Testing		
File IO	Lab 6 Solution	Modify login_user such that if the file exists but is empty, we print "Corrupted account data" and return False
User IO & Error Handling		Modify login_user so that if login fails because of incorrect password, print how many characters are different between the stored and entered password. (Do NOT print actual passwords.)
Functions	Lab 9 Solution	Modify count_char function so it becomes case insensitive
Advanced Control Flow		Modify count_char function such that we break the problem into half and call the function recursively on both of them.
Classes		Add a new function flip (i.e. method) to the Fraction class that changes the numerator to the denominator and the denominator to the numerator
Documentation & Style		Change the string representation function for Fraction to print it in 3 lines as following: <numerator> e.g. 3 - - <denominator> 4
Advanced File IO	Lab 7 Solution	Modify the function update_inventory so that instead of rewriting to the same file, it writes the updated inventory to a new file called "updated_inventory.csv" (original file is left unchanged)
3rd Party Tools		Modify the function update_inventory so that if an ingredient is in the CSV but becomes 0 or negative quantity after applying updates, that ingredient should not be written back into the updated CSV at all (remove from inventory storage entirely)