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IT FDN 100 A

Assignment 3 Notes

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Following the instructions, created a file called assignment3.py and added my code to it. Like the labs, I pseudo-coded it first with the steps that I thought my program should take and then added the code underneath.

My initial approach was to go the simple way of just taking the user inputted values in as strings and concatenating them.

After seeing my code work, I wanted to further iterate on it by making the price var automatically converted to a float since it’s currency, I was able to get it to work with the below code, but I couldn’t figure out a clean way to format the currency to always return 2 decimal points when it’s double 0s, eg: $12.00 would return $12.0

# echo to user what's needed  
print("Please input the name of the household item and the cost when prompted.")  
# open file in append mode  
fileToWriteTo = open("HomeInventory.txt", "a")  
  
# gather params from user  
item = input("Item Name? ")  
price = float(input("Price? "))  
# concatenate both pieces of information into one var w/ a pipe separator  
combined = item + " | " + "$" + str(price)  
# write result to file  
fileToWriteTo.write(combined)  
# close the file  
fileToWriteTo.close()

When googling, all the results seems to only account for cases of wanting to shrink a long float with multiple decimal points to 2 with commands like: `float("{0:.2f}".format(13.949999999999999))`

<5 minutes passed while googling again…>

As I was re-googling, I found the answer: “%0.2f” % num from <https://stackoverflow.com/a/1995634> though I’m not sure I understand it fully. I’m not sure if this question steps outside this curriculum but if possible, would you be able to explain it?

I’ve left both approaches of solving the problem in the file with the first iteration commented out.

Here’s a screenshot of the code working:



Follow-Up Question: Are we able to get feedback on our homework assignments in general even if we don’t have specific questions?