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11-4-2024

Homework

Homework 1 - copytor.py:

Write a function called **copy**, which takes in a ***file name*** and a ***new file name*** and copies the contents of the first file into the second file.

(Note: we've provided you with the first chapter of *Alice's Adventures in Wonderland* to give you some sample text to work with. This is also the text used in the tests.

copy('story.txt', 'story_copy.txt') # None
expect the contents of story.txt and story_copy.txt to be the same

Homework2 – sales.py:

Write a code using functions that will add items in your grocery cart and return total in a receipt text.

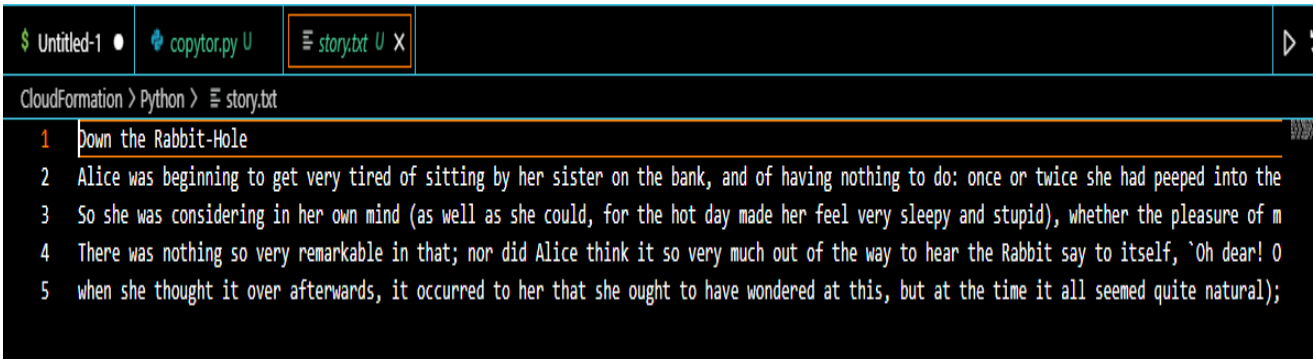
Order = { '**tomato**': 30, '**thyme**': 4.50, '**garlic**': 7.5, '**rice**': 10, '**onions**': 4, '**fish**': 9.99 }

Add it to your GitHub and send us screenshot of working code.

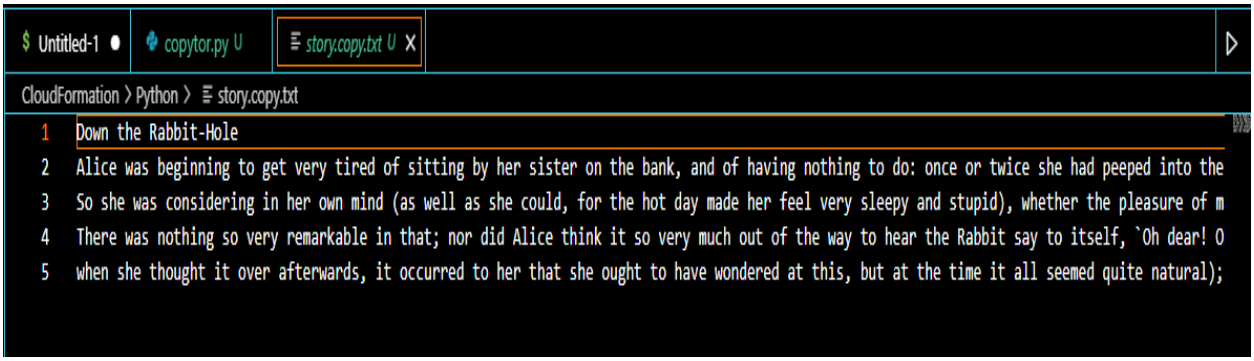
Homework 1:

```
# Write a file called copy which takes in a file name and a new file name and copies the contents of the first line into the second line

# The code snippet you provided is opening a file named 'story.txt' in write mode ('w'). It then
# writes multiple lines of text to the file. Each `file.write()` call appends the given text to the
# file. The text being written seems to be an excerpt from the story of Alice in Wonderland.

# step 1 is to write the content to story.txt
with open ('story.txt', 'w') as file :
    file.write ("Down the Rabbit-Hole")
    file.write ("Alice was beginning to get very tired of sitting by her sister on the bank, and of having nothing to do: once or twice she ha
    file.write ("So she was considering in her own mind (as well as she could, for the hot day made her feel very sleepy and stupid), whether
    file.write ("There was nothing so very remarkable in that; nor did Alice think it so very much out of the way to hear the Rabbit say to it
    file.write ("when she thought it over afterwards, it occurred to her that she ought to have wondered at this, but at the time it all seeme

# step 2 is to define the copy function
def copy (source_file, target_file): # open the source file to read its content
    with open (source_file, 'r') as source:
        content = source.read()   # read the entire content of the source file


    with open (target_file, 'w') as target: # open the target file to write the content from the source file
        target.write(content) # write content to target file

# step 3 is to call the function

copy ('story.txt', 'story.copy.txt')  # the copy function calls to copy the contents from story.txt to story.copy.txt

```

Content of story.txt



Content of story.copy.txt



Homework 2:

```python
# write a code using functions that will add items in your grocery cart and return total in a receipt text

order = {'tomato':30, 'thyme':4.50, 'garlic':7.5, 'rice':10, 'onions':4, 'fish':9.99}

# define a function to add items to the cart and calculate the total
def add_to_cart (cart_items):
    total_cost = sum (cart_items.values()) # the built-in method values is going to retrieve all values from the dictionary without the key
    return total_cost

# define a function to create the receipt
def generate_receipt (cart_items, total):
    with open ('receipt.txt' ,'w') as file: # this will create a file called receipt.txt where
        file.write ("----Grocery Receipt----\n") # the tile of our receipt
        for item, price in cart_items.items():
# the capitalize built-in method is going to capitalize the first letters of each item in the list and
            file.write(f'{item.capitalize()}: ${price:.2f}\n')
        file.write ("-------------------------\n")
        file.write (f"Total; ${total:.2f}\n")
        file.write ("-------------------------\n")

    print ("Receipt Generated: receipt.txt")

# calculate the total and generate receipt
total = add_to_cart(order)
generate_receipt (order, total)
```

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CloudFormation > Python > receipt.txt

```
----Grocery Receipt----
Tomato: $30.00
Thyme: $4.50
Garlic: $7.50
Rice: $10.00
Onions: $4.00
Fish: $9.99
-------------------------
Total; $65.99
-------------------------

```