Practice Problem 1: Reverse

Write a program reverse.py that print out the reverse of a string

Sample usage:

$ python reverse.py

Text: This is CS50

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Practice Problem 2: Addition

Write a program addition.py that adds two number provided as command line arguments.

Sample usage:

$ python addition.py 2 8

2 + 8 = 10

Practice Problem 3: Factorial

Write the factorial function, both using loops and then using recursion.

Practice Problem 4: Copying files

Write a program copy.py that copies a text file, where the name of the original file and the copied file are specified as command-line arguments.

Sample Usage:

$ python copy.py input.txt output.txt

Practice Problem 5: Reading CSV files

Write a program phonebook.py that reads from a CSV file (provided as a command-line argument) and prints out the data on each person in the phone book. The file contains columns name and number, representing each person's name and phone number, respectively.

Sample file:

name,number

Emma,617-555-0100

Rodrigo,617-555-0101

Brian,617-555-0102

David,617-555-0103

Sample Usage:

$ python phonebook.py data.csv

Emma's phone number is 617-555-0100

Rodrigo's phone number is 617-555-0101

Brian's phone number is 617-555-0102

David's phone number is 617-555-0103

Sample Solution: <https://drive.google.com/drive/folders/1H0vcPYC9jy952rV2cbnKH-LClPvnQlv-?usp=sharing>