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| 1 | Given a file “stateinfo.txt” containing names of the state and cities separated by “:”, create a file for each state named as “statename”.txt containing names of cities in that state. Sample input file “stateinfo.txt” is attached. Steps to follow:  Walk through the file. Create a dictionary whose key is the state name and value is the file handle. Write city names into the file.  Do close all the files at the end of processing using values in dictionary. |
| 2 | Process /etc/passwd file.  [The /etc/passwd file is used to keep track of every registered user that has access to a system. The /etc/passwd file is a colon-separated file that contains the following information:  User name, Encrypted password, User ID number (UID), User’s group ID number (GID), Full name of the user, User home directory, Login shell ]  A sample passwd file “sample\_etc\_passwd.txt” is attached for reference.  Find the number of entries  Find how many users have /bin/bash as the login shell |
| 3 | Write a function which prints a message given as argument. Decorate the function twice with different decorators  Assume the function is print\_message and the message to be printed is "hello".  Decorating print**\_**message with a function called stars should print :  **\*\*\*\*\***  **hello**  **\*\*\*\*\***  Decorating print\_message twice using dollars and stars should print :  **$$$$$**  **\*\*\*\*\***  **hello**  **\*\*\*\*\***  **$$$$$** |

**PAP Week 5 Lab Assignments**