CIS241 Lab

The Bash Shell

1. Create a directory and perform the following activities in that directory:

   (1) Copy the data file lab8.dat from the instructor's directory into your current working directory as shown below. Make sure to include the period (.) in the command line.

   ```
   cp /home/tao/Labs/lab8.dat   .
   ```

   Shown below is the data in file lab8.dat:

   cis162 proj1
   cis163 proj2
   cis162 proj2
   cis263 proj1
   cis163 proj3

   (2) Write a script, named lab8.txt, with a while loop that reads file lab8.dat one line at a time and displays the first field of the current input line (i.e., the course number) on the screen.

   (3) Add an if command in the body of the while loop to create a sub-directory with the first field of the current input line as its name if such a sub-directory does not exist. When running your script, you should see three new sub-directories, namely, *cis162*, *cis163*, and *cis263,* in your current working directory.

   (4) Also in the body of the loop, add one or more commands to create a file with the second field of the current input line as its name in the sub-directory named after the first field of that input line. You may use "*touch filename"* to create a file.

2. Fill in the blank below to display the output of the command line that is stored in variable *currTime*. No need to have an additional command line to accomplish this task. Run the two command lines to verify your answer.

   currTime="date +%r"
   echo "Current time is _____ "

Submit your script lab8.txt via Blackboard and write your answer to Part 2 in the Comments section.