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| <p style="text-align: center;">CS 1400-03 Introduction to Programming and Problem Solving Coding Practice #1 (Due: 11:59 PM, Friday, 2/5/2021)</p> |
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Use ZFS.pdf covered in Module/Week 1 as a reference. Read the following instructions carefully, go through everything, and complete all tasks.

Objectives:

- Be able to use
 - PuTTY to remotely connect to CPP ZFS
 - Linux file and directory commands
 - The **pico** text editor
 - Compile and run a Java program on ZFS
 - The **script** command to capture the output of your program

Task 1. Make a new directory named `codingPractice` in your `cs1400` directory and then change your working directory to `codingPractice`.

Task 2. Copy the file `Pay.java` from `/www/user/fcsang/download/Pay.java` to the current directory and keep the same name when the file is copied.

Task 3. Add the following four comment lines to the top of `Pay.java` file.

```
// your name
// CS1400, section 03
// Coding practice #1
// today's date
```

Task 4. Generate a script file called `practice1.txt` with appropriate time stamps and the following steps visible:

- 1) a `pwd` to show the current working directory
- 2) a `ls -l` to show in long format the files in your `cs1400/codingPractice` directory
- 3) a `cat` to display `Pay.java`
- 4) compile `Pay.java`
- 5) run `Pay` three times with the test data in the table below

| Hours | Rate |
|-------|------|
| 39 | 10 |
| 40 | 10 |
| 41 | 10 |

Task 5. Copy the script file `practice1.txt` to your Desktop.

ZFS cannot directly access Bb, so if you have a file on ZFS and you want to submit it to Bb, you must download the file from ZFS to your local computer first and then submit it to Bb.

For Windows users:

- 1) Use the `cat` command on ZFS to display the file `practice1.txt`.
- 2) Highlight the text desired. Press space bar. This captures the selected text to Windows' clipboard.
- 3) Open Notepad or WordPad on PC.
- 4) Select Edit → Paste.
- 5) Select File → Save to save the file to your computer Desktop.

For MacOS users:

- 1) Use the `cat` command on ZFS to display the file `practice1.txt`.
- 2) Highlight the text desired. Use Command-C to copy the selected text to the clipboard.
- 3) Open TextEdit on Mac.
- 4) Use Command-V to paste your clipboard selection
- 5) Follow the instructions on the following website <https://beebom.com/how-save-files-txt-format-textedit-mac/> to save files in TXT format in order to preserve whitespace indentation

Instead of copy and paste, alternatively, you may download FileZilla to transfer files between ZFS and your local computer (PC or Mac). See “SFTP File Transfer Guide” in the Assignment Folder on Bb.

Task 6. Submit `practice1.txt` to your instructor on Bb:

- 1) Login to Blackboard
- 2) Click CS 1400.03 → Assignments → Coding Practice → Practice #1
- 3) Attach the script file that was saved on your computer Desktop, and then click the Submit button.

Do not copy and paste the contents of the script file into the text box field. You must “attach” the file to your submission.