**prep week: BASH**

BASH basics

The following exercise contains the following subjects:

● BASH basics

**Instructions**

1. Scenario: Organizing a Music Collection

Imagine you're a budding developer working on a project to organize a digital music collection. You'll use bash commands to navigate directories, manage files, and perform various tasks related to music organization.

1. Start by creating a directory called "MusicCollection" using the `mkdir` command.

2. Move into the "MusicCollection" directory using the `cd` command.

3. Inside the collection, create three directories: "Rock," "Pop," and "HipHop."

4. Use the `ls` command to list the contents of the "MusicCollection" directory. What do you see?

5. Move into the "Rock" directory using the `cd` command.

6. Create a text file named "ClassicRock.txt" using the `touch` command.

7. Use the `echo` command to add the names of three classic rock bands to "ClassicRock.txt."

8. Display the contents of "ClassicRock.txt" using the `cat` command.

9. Return to the "MusicCollection" directory.

10. Create a text file named "Top40.txt" inside the "Pop" directory.

11. Use the `echo` command to add the names of three popular pop artists to "Top40.txt."

12. Display the contents of "Top40.txt" using the `cat` command.

13. Move the "ClassicRock.txt" file from the "Rock" directory to the "Pop" directory using the `mv` command.

14. Rename "Top40.txt" to "HitSongs.txt" using the `mv` command.

15. Create a new directory called "Featured" within the "HipHop" directory.

16. Move into the "Featured" directory.

17. Create a file named "BestRappers.txt" using the `touch` command.

18. Use the `echo` command to add the names of three prominent hip-hop artists to "BestRappers.txt."

19. Display the contents of "BestRappers.txt" page by page using the `less` command.

20. Use the `pwd` command to display the current directory path and redirect the output to a file named "Location.txt."

2. send me the answers in pdf format to [yishain11@gmail.com](mailto:yishain11@gmail.com). Later in the course you will upload the answers to moodle.