



# prep week: BASH

## BASH basics

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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.