Introduction to Arduino

CSE 107

Continue Linux Commands and Introduction to Arduino

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Overview

1. **Homework**

Homework

"|": Pipe

Definition: This command is used for chaining multiple commands together and enabling doing multiple jobs in one line on the terminal.
Format: command1 | command2

Homework

mv: Move

Definition: This command is used for to move context of one file/folder to another file/folder.

Format: mv [options] [source_file_name] [destination_file_name]

Homework

- **Phase 1** - Creating File Structure:
  - Create one main directory with the name "animals" and inside this create three sub-directories as "snow_leopard", "clownfish", and "red_panda".
  - Below "clownfish" directory open two sub-directory as "maroon_clownfish" and "ocellaris_clownfish".

Homework

- **Phase 2** - Creating Text Files:
    - Every directory needs to include one text file which consist of some information about the animal. The text file names must be created same as with directories.
    - You need to create text file and add context to this file in the same line by using **pipe command**. The context needs to be first five sentences of the first paragraph. For these information use given links in below.
    - You need to create 'ocellaris_clownfish.txt' file inside the maroon_clownfish directory.
    - You need to create 'maroon_clownfish.txt' file inside the ocellaris_clownfish directory.
        - Snow Leopard
        - Clownfish
        - Maroon Clownfish
        - Ocellaris Clownfish
        - Red Panda

Homework

- **Phase 3** - Correcting Mistakes:
  - Move 'ocellaris_clownfish.txt' to under the ocellaris_clownfish directory.
  - Move 'maroon_clownfish.txt' to under the maroon clownfish_directory.
  - List all and hidden files in detailed form when you are in clownfish directory.
  - In the end your file structure needs to be same as below:

```
.
└── animals
    ├── clownfish
    │   ├── clownfish.txt
    │   ├── maroon_clownfish
    │   │   └── maroon_clownfish.txt
    │   └── ocellaris_clownfish
    │       └── ocellaris_clownfish.txt
    ├── red_panda
    │   └── red_panda.txt
    └── snow_leopard
        └── snow_leopard.txt
```

Homework

- **Phase 4** - Saving:
    - Save the whole terminal to the 'output.txt' file (both the given commands and outputs need to be seen).
    - Find this command by yourself.

- **Important Notes**:
    - Everything needs to be done on the terminal by using linux commands that you learnt.
    - Bring all files and directories that you are created and the "output.txt" file to the labwork. If not your grade will be 0.

The End