**Week 4 Workshop**

**Tasks:**

1. Write the command to create a new directory called **Islington.**
2. Inside **Islington**, create two subdirectories: **Computing** and **Networking**.
3. Create three files at once: **file1.txt**, **file2.txt**, and **file3.txt**.
4. Write a command to open a file named **file1.txt** for editing in nano.
5. Open it with nano, and write 3 lines: **your name, the date**, and **a short message**

**Bash Command**.

1. pwd - Shows the current location in the filesystem.
2. cd – change directory
3. ls – list directory contents
4. mkdir – make a directory
5. touch – create Empty files
6. nano – edit files
7. ls -l - long listing format
8. ls -a - include hidden files
9. ls -la - long listing with hidden files

| **Command** | **How it works** | **Example** |
| --- | --- | --- |
| cd foldername | Goes **into** a folder named “foldername” that exists in your current location | If you're in /Documents, and folder name is inside it, it takes you to /directory/foldername |
| cd .. | Goes **up one level** (to the parent folder of your current folder) | If you're in “/directory/foldername”,  it takes you back to /Documents |
| cd | Goes to your **home directory** | No matter where you are, **cd** takes you to something like “/home/username” |
| cd / | Goes to the **root directory** (top-most level of the filesystem) | It's like the base of everything:  For example “/bin, /home”. |

**Changing directory**

**Organising Folder through Bash**

Create a directory structure and use nano to write a basic script.

1. Create a folder project:

**mkdir islington**

1. Inside it, create two subfolders:

**mkdir project/islington/computing**

1. Create a file in each:

**touch project/islington/computing/test.txt**

**touch project/islington/computing/test.sh**

1. Edit test.sh using **nano**:

* nano project/scripts/run.sh

**Editing Files with nano**

**Open a File in nano text editor**

nano **test.txt / test.sh**

1. Open **test.txt**
2. Type your name and today’s date
3. Save and exit

In nano:

* Save with: **Ctrl + O,** then press Enter
* Exit with: **Ctrl + X**

Inside the file (Nano text editor), write:

**#!/bin/bash**

A screen shot of a computer

AI-generated content may be incorrect.echo "Hello, Welcome Summer Enrichment class!"