

DS 7347

High-Performance Computing (HPC) and Data Science

Session 4

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Research and Data Sciences Services

Office of Information Technology

Center for Research Computing

Southern Methodist University



Session Question

Terminal Access

Introduction to UNIX

Introduction to Scripting with Bash

Readings and Assignments

Session Question



In what ways can software be portable?

Terminal Access



Accessing M2

Terminal Access

Local Machine

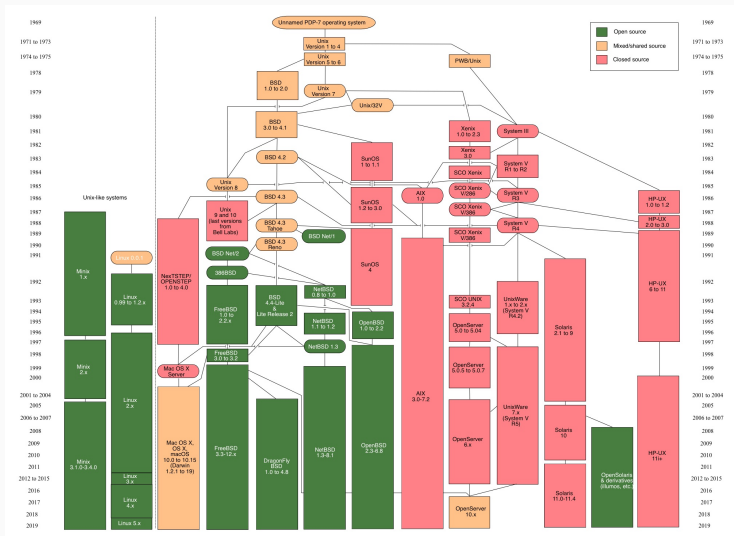
Windows Windows Subsystem for Linux (WSL)

macOS Terminal

Linux Terminal

Introduction to UNIX

The UNIX™ and UNIX-Like Family Tree





Introduction to UNIX

Introduction to Scripting with Bash



Introduction to Scripting with Bash

Readings and Assignments



Readings

No readings.

Assignment

- Write a directly executable Unix shell script that does the following:
 - Downloads the plain text of *Guliver's Travels* from Project Gutenberg.
 - Calculates the first five prime numbers and makes five directories with these as names.
 - Divides the *Guliver's Travels* text into approximately equal parts and puts these parts into the directories with the sequentially parts as [1–5].
- Commit `assignments/assignment_04.sh` to your class repo
- Due 12:00 AM Central, Tuesday, May 17, 2022