

CSCI-101 Programming II

Lab 8e

Navigate a browser to this page: https://archive.org/details/princedisourses00mach_0.

On the left you will see a box labelled DOWNLOAD OPTIONS. At the bottom of that box you will find a link labelled SHOW ALL. Click on the link. You will be redirected to a page that lists links to various file formats.

Download to your laptop the file named **princedisourses00mach_0_djvu.txt**.

Open your terminal application and change your working directory to where the **.txt** file was downloaded.

Rename the file to **mach.txt**.

Use the following **scp** command to copy the file to cs.bridgewater.edu replacing **USERNAME** with your BC username.

```
$ scp mach.txt USERNAME@cs.bridgewater.edu:.
```

SSH into cs.bridgewater.edu.

Make a directory named **lab8** in your Git repository.

The **mach.txt** file should be in your home directory on cs.bridgewater.edu. Move the file to your **lab8** directory.

Write a program named **Freq5.java** that reads a file name from the command line, uses a **HashMap** to count the number of times each word appears in the file, and prints to the screen the key/value pairs in the HashMap.

Inspect **mach.txt**, and modify **Freq5.java** so that the program can properly compute the frequencies of the words in **mach.txt**.

Feel free to cleanse **mach.txt**. For example, you may want to delete the preamble text and chapter numbers from the file. You cannot, however, remove the punctuation in the chapters of the text.