

BIS 420 PROGRAMMING FOR DATA SCIENCE
PRAJAKTA POHARE
CHAPTER 14 EXERCISE 14.2
ILLINOIS STATE UNIVERSITY

Write a function called `sed` that takes as arguments a pattern string, a replacement string, and two filenames; it should read the first file and write the contents into the second file (creating it if necessary). If the pattern string appears anywhere in the file, it should be replaced with the replacement string. If an error occurs while opening, reading, writing or closing files, your program should catch the exception, print an error message, and exit. Solution: [http: // thinkpython. com/ code/ sed. py](http://thinkpython.com/code/sed.py) .



The image shows a terminal window with a dark background. At the top, there are tabs labeled 'PROBLEMS', 'OUTPUT', 'DEBUG CONSOLE', 'TERMINAL', and 'PORTS'. The 'TERMINAL' tab is active. The terminal shows the following text:

```
/usr/local/bin/python3 "/Users/prajaktapohare/Library/CloudStorage/OneDrive-ILStateUniversity/BIS420/Week 14/BIS420_PrajaktaPohare_Ch14_14.2.py"  
• + ~ /usr/local/bin/python3 "/Users/prajaktapohare/Library/CloudStorage/OneDrive-ILStateUniversity/BIS420/Week 14/BIS420_PrajaktaPohare_Ch14_14.2.py"  
Replacements complete. Output written to 'output.txt'.  
○ + ~
```