Incorrecct: (i++ > 40) this prints out the first 42 most frequently used words, not 40 since the i index starts at 0, and i++ > 40 means it will go to index 41 to stop, and with the start at 0, it will print out first 42 instead of first 40.

Corrected:if (++i >= 40)

Executor pool in chapter 8 of the textbook is used for this exercise.

private static void startCountTask(Path p, Counter c) {  
 // this function creates a task in the executor pool to count the words in this file  
 Runnable task = new Runnable() {  
 public void run() {  
 *countWords*(p, c);  
 }  
 };  
 *exec*.submit(task);  
}

Different threads count words in files and have locks on to avoid multiple threads counting the same word.