Project Information

I am a new employee of HCC working with the honey department. Someone from sales gives me a USB drive that contains a mailing list text files. My task is to perform the following processes with the text file (each on separate lines):

* If no @ symbol appears in the email address, I should display the following to standard error:
  + The email address and the words “Email address unreadable” should display
  + Ex: badaddressAtgmail.com - Email address unreadable
* If the @ symbol appears the address will be considered valid, and you should display the following to standard output:
  + The email address in lowercase letters with no additional spaces
  + The length of the email address
  + The number of characters before and after the @ symbol (after removing any leading white spaces)
  + Ex
    - [email@gmail.com](mailto:email@gmail.com)
    - Length: 19
    - Characters before @: 6
    - Characters after @: 12
* For both scenarios there should not be any leading or trailing white spaces

I should also write any valid emails containing “@howardcc.edu” to a file called “howardBeeMailing.txt”; each being in all lower case with the exception of Professor Milburn (dmilburn@howard.edu) , which will print all uppercase

Additional requirements:

* A Javadoc comment must appear at the top of the source code containing: Your name, course number and section (001, 002,... for daytime, 050, 051,... for evening), and a brief description of what the program does.
* Consistent indentation must be used to make the code easy to read.
* Your submission file must be named Lab2C.java and zipped in a file named Lab2C.zip. The zipped file should be uploaded through CANVAS. I will not accept email attachments.

Pseudocode:

public class Lab2C{

public static void main(String[] args){

// Create a scanner object called input

// Open Lab2A.txt

// Create howardBeeMailing.txt

// Analyze and work with

fileAnalysis()

} // End main method

public void fileAnalysis(){

while(input.hasNext()){

// Get email from Lab2A.txt

// Trim whitespace from email

// Look for @ symbol

// If @ symbol appears {

// Count length of email

// Count characters before @ symbol

// Count characters after @ symbol

// Print the information

// If characters after @ symbol == “howardcc.edu”{

// Send email to “howardBeeMailing.txt”

} // End if statement

// If characters after @ symbol != “howardcc.edu”{

// Do nothing

} // End if statement

} // End if statement

// If @ symbol does not appear {

// Print error message saying not valid email

} // End if statement

} // End while loop

} // End fileAnalysis method

} // End Lab2C class