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| 1 | Write a program to count the number of times a character appears in a File.  [Note : The character check is case insensitive... i.e, 'a' and 'A' are considered to be the same]  Sample Input and Output:  Enter the file name  Input.txt  Enter the character to be counted  r  File 'Input.txt' has 99 instances of letter 'r'.   |  | | --- | | package com; | |  |  | |  | import java.io.BufferedReader; | |  | import java.io.File; | |  | import java.io.FileReader; | |  | import java.io.IOException; | |  | import java.util.Scanner; | |  |  | |  | public class Problem1 { | |  |  | |  | public static void main(String[] args) throws IOException { | |  | Scanner sc = new Scanner(System.in); | |  | System.out.println("Enter the file name"); | |  | String filename = sc.nextLine(); | |  | System.out.println("Enter the character to be counted"); | |  | char needle = sc.nextLine().charAt(0); | |  |  | |  | File file = new File(filename); | |  | int charCount = 0; | |  |  | |  | BufferedReader br = new BufferedReader(new FileReader(file)); | |  |  | |  | int ch; | |  | do { | |  | ch = br.read(); | |  |  | |  | if (ch >= 65 && ch <= 90) ch += 32; | |  | if (needle >= 65 && needle <= 90) needle += 32; | |  |  | |  | if (ch == needle) | |  | charCount++; | |  | } while (ch != -1); | |  |  | |  | System.out.println("File '" + filename + "' has " + | |  | charCount + " instances of letter '" + needle + "'."); | |  |  | |  | br.close(); | |  | sc.close(); | |  | } | |  |  | |  | } | |
| 2 | Write a program to copy contents from one file to another and check the output.  Sample Input and Output:  Enter the input file name  Input.txt  Enter the output file name  Output.txt  File is copied.   |  | | --- | | package com; | |  |  | |  | import java.io.BufferedReader; | |  | import java.io.BufferedWriter; | |  | import java.io.File; | |  | import java.io.FileReader; | |  | import java.io.FileWriter; | |  | import java.io.IOException; | |  | import java.util.Scanner; | |  | public class Problem2 { | |  |  | |  | public static void main(String[] args) throws IOException { | |  | Scanner sc = new Scanner(System.in); | |  | System.out.println("Enter the input file name"); | |  | String inputFilename = sc.nextLine(); | |  | System.out.println("Enter the output file name"); | |  | String outputFilename = sc.nextLine(); | |  |  | |  | File filein = new File(inputFilename); | |  | File fileout = new File(outputFilename); | |  |  | |  | BufferedReader br = new BufferedReader(new FileReader(filein)); | |  | BufferedWriter bw = new BufferedWriter(new FileWriter(fileout)); | |  |  | |  | int ch; | |  | while ((ch = br.read()) != -1) { | |  | bw.write(ch); | |  | }; | |  |  | |  | br.close(); | |  | bw.close(); | |  | sc.close(); | |  | } | |  |  | |  | } | |