[I/O Operations](http://59.162.104.101:25000/PBLApp/tmodule.action?module=%20I/O%20Streams&stream=Java&tm=TM501" \l "T3)

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| **No.** | **Hands-on Assignment** | **Topics Covered** | **Status** |
| 1 | File : Count Character  Write a program to count the number of times a character appears in the File. (Case insensitive... 'a' and 'A' are considered to be the same)  Sample Output:  Enter the file name  Input.txt  Enter the character to be counted  r  File 'Input.txt' has 99 instances of letter 'r'. | I/O Streams |  |
| 2 | File Copy  Write a program to copy from one file to another.  Sample Input and Output:  Enter the input file name  Input.txt  Enter the output file name  Output.txt | I/O Streams |  |
| 3 | File Word Count  Implement a code to count the occurrences of each word in an input file and write the word along with corresponding count in an output file sorted by the words alphabetically.  (Hint : Use Map as an intermediate collection)  Sample Input  inputFile.txt  Manoj works at Wipro  Katari works at Wipro  Sureka works at Wipro  Harish works at Wipro  Anitha works at Wipro  Janani works at Wipro  Sample Output  D:\>Java FileWordCount inputFile.txt outputFile.txt  outputFile.txt  Anitha : 1  Harish : 1  Janani : 1  Katari : 1  Manoj : 1  Sureka : 1  Wipro : 6  at : 6  works : 6 |  |  |

[Object Serialization](http://59.162.104.101:25000/PBLApp/tmodule.action?module=%20I/O%20Streams&stream=Java&tm=TM501#T4)

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| **No.** | **Hands-on Assignment** | **Topics Covered** | **Status** |
| 1 | Create an employee object having properties name, date of birth, department, designation and salary. Let the employee class have appropriate getter/setters methods for accessing these properties. Initialize these properties through the setter methods. Store this object into a file "OutObject.txt". Read the same object from the same file and display its properties through getter methods. | Object Serialization & Deserialization |  |