**Basic I/O**

**Workshop 8**

**In this workshop, you’ll learn:**

* Basic I/O
* I/O streams

**Exercise 1**: Write a program to read a text file and encrypt it by shifting every character forward (in the ASCII table): all characters *‘a’* replaced by *‘d’, ‘b’* replaced by *‘e’, ‘c’* replaced by *‘f’*, and so on. Save the encrypted content to an output text file.

**Exercise 2:** Create a class Student includes name, age, mark and necessary methods. Using *FileWriter, FileReader* and *BufferedReader* to write a program that has functional menu:

|  |
| --- |
| Menu  -------------------------------------------------   1. Add a list of Students and save to File 2. Loading list of Students from a File 3. Exit   Your choice: \_ |

+ Save to File: input information of several students and write that information into a text file, each student in a line (use tabs to separate the fields)

+ Read File: read and display information of students

**Exercise 3**: Accept a file name from users and display the content of entered file. Display the error message if that file does not exists.

**Exercise 4**: Accept a file name from users (src) and the folder name (dest). Copy src to dest (if any), display the error message if src or dest do not exists.