

Experiment 2

Aim: Study I/O in Java built on *streams*

Objectives:

1. Illustration of Input and Output Streams
 - a. WAP to create a text file and write data into it.
2. Illustration of filter stream using Buffered Stream
 - a. WAP to show time efficiency using Buffered stream (I/O) using the buffer.
 - b. WAP to show time efficiency using a Buffered stream (I/O) without the buffer.

Exercises:

1. Explain the operation of the write () method of OutputStream.
2. Mention the functions of the following subclasses of OutputStream:
 - a. FileOutputStream
 - b. TelnetOutputStream
 - c. ByteArrayOutputStream
3. Compare and contrast the BufferedInputStream and BufferedOutputStream.
4. Write a code to read the data from a file in byte and character format. (Specify the method(s) and the operation(s) to extract the data from a text file.)
5. Write a code to append a string to an existing text file.