**Template: Study Material**

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| *Insert the details within the < quotes >*  <COIF>: <22412>: <Java Programming>: <Managing Input/Output Files in Java>: <LO3>: <Study Material> | | |
| <Siddhesh Vaidya> | <01/02/2021> | <Vijay Patil> |
| Key words  **Input Stream Classes** | Learning Objective:   * Understand the concept of Output Stream Classes | Diagram/ Picture  **outputstreamclasses.bmp** |
| Key Questions  **What is Output Stream?** | Concept Map |
| Explanation of Output Stream Classes   * The java.io.OutputStream class sends raw bytes of data to a target such as the console or a network server. * Like InputStream, OutputStream is an abstract class. * The OutputStream includes methods that perform operations like:   + writing bytes   + closing streams   + flushing streams   Methods:   * **void close()** - to close the OutputStream * **void write (int b)** - Writes a single byte to an output stream. * **void write(byte buffer[ ])** - Writes a complete array of bytes to an output stream. * **void write (byte buffer[ ], int offset, int numbytes)** - Writes a sub range of numbytes bytes from the array buffer, beginning at buffer[offset]. * **void flush()** - clears the buffer. | Key Definitions/ Formulas  **Output Streams** |
| **Classification of Output Streams**  Can be classified as follows |
|  | Link: https://www.youtube.com/watch?v=\_le5GlfBxVY |
| Key Take away from this LO: Understanding the Output stream classes, Classification and its methods | | |