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FACULTY OF Engineering & Technology

I/O:

1. Java I/O (Input and Output) is used to process the input and produce the output.

- 2. Java uses the concept of a stream to make I/O operation fast.
- 3. The java.io package contains all the classes required to perform input and output operations
- 4. By using IO api, file handling can be done.

Stream

A stream is a continuous sequence of data.

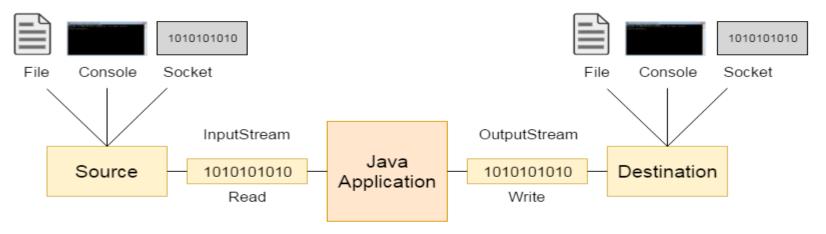
A stream is composed of bytes.

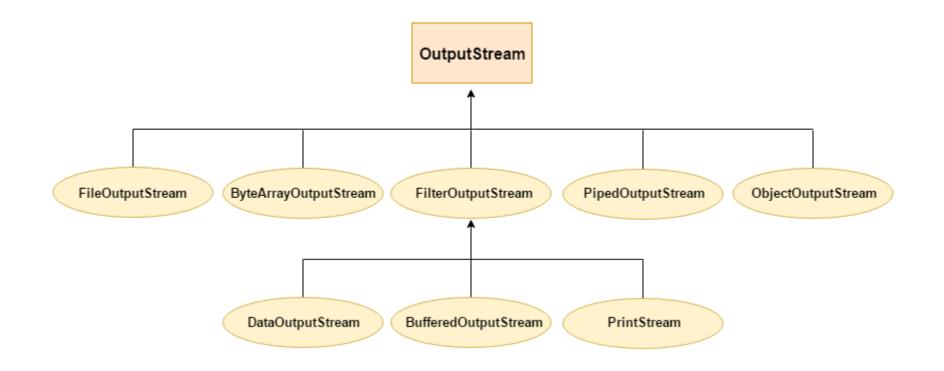
3 streams are created for us automatically.

1) System.out: standard output stream

2) System.in: standard input stream

3) System.err: standard error stream





InputStream class

- 1. InputStream class is an abstract class means we can not create direct objects of it.
- 2. It is the superclass of all input stream of bytes.

Important classes in Java.io package:

BufferedInputStream BufferedOutputStream BufferedReader **BufferedWriter** ByteArrayInputStream ByteArrayOutputStream CharArrayReader DataOutputStream File FileDescriptor FileInputStream FileOutputStream **FilePermission** FileReader **FileWriter** FilterInputStream FilterOutputStream FilterReader **FilterWriter** InputStream InputStreamReader