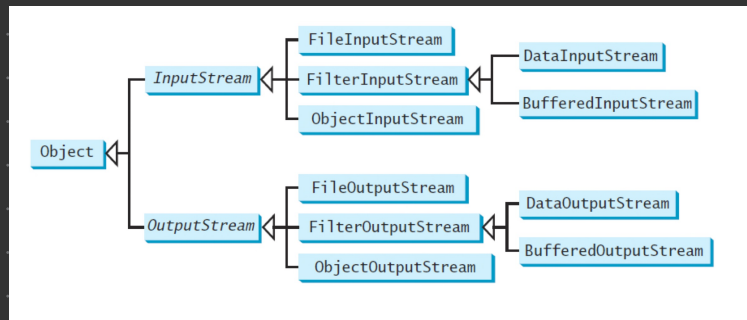# B07 Sept 27 Lec 1 Notes

Input and Output Streams
↳ Java handles input and outputs using streams

Standard I/O
↳ System.in
   ↳ Object of type InputStream
   ↳ Refers to the keyboard.
↳ System.out
   ↳ Object of type Print Stream

File Class

↳ Contains methods for obtaining the properties of a file / directory and for renaming and deleting a file
↳ Constructing a File instance does not create a file on the machine

File I/O
↳ Reading could be done using the Scanner class
    e.g. Scanner input = new scanner (new File (filename))
↳ Writing could be done using the FileWriter class
    e.g. FileWriter output = new FileWriter (filename, append)

Regular Expressions
↳ A regular expression (abbreviated regex) is a string that describes a pattern for matching a set of strings.
↳ Simple way to validate user input.
↳ The Pattern class can be used to define the pattern.
   ↳ The compile method takes a string representing the reular expression.