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Reader & Writer classes explanation in Java

=> Reader & Writer Classes Explanation :-

=> InputStreamReader :-

-> InputStreamReader is a bridge which take the input from byte stream and decodes into character stream

=> OutputStreamWriter :-

-> OutputStreamWriter converts the character stream into byte stream using a specified charset

=> FileReader :-

-> It inherits the InputStreamReader class

-> FileReader is used to read character stream

=> FileWriter :-

-> FileWriter class inherits OutputStreamWriter class

-> FileWriter is used to write character stream

=> BufferedReader :-

-> BufferedReader is used to read the text from character stream

-> BufferedReader can be used to read data line by line by readLine() method

-> Performance of BufferedReader is fast

=> BufferedWriter :-

-> BufferedWriter is used to write the char array or string into the file

-> BufferedWriter performance is fast

=> LineNumberReader :-

-> LineNumberReader is a buffered character input stream which keeps the track of line numbers

=> CharArrayReader :-

-> CharArray + Reader : As the name suggests it is used to read the character array stream

=> CharArrayWriter :-

-> CharArray + Writer : It is used to write the common data to multiple file

=> FilterReader :-

-> FilterReader is used to perform filtering operations on reader stream

-> FilterReader is an abstract class

=> FilterWriter :-

-> FilterWriter class is used to write filtered character stream

-> FilterWriter is an abstract class

=> PushbackReader :-

-> PushbackReader is used to push back the one character into stream and read again

=> PipedReader :-

-> PipedReader is used to read the content from a pipe as character stream

-> It is used in case of multiple threads

=> PipedWriter :-

-> PipedWriter is used to write the content to a pipe as a character stream

-> It is also used in case of multiple threads

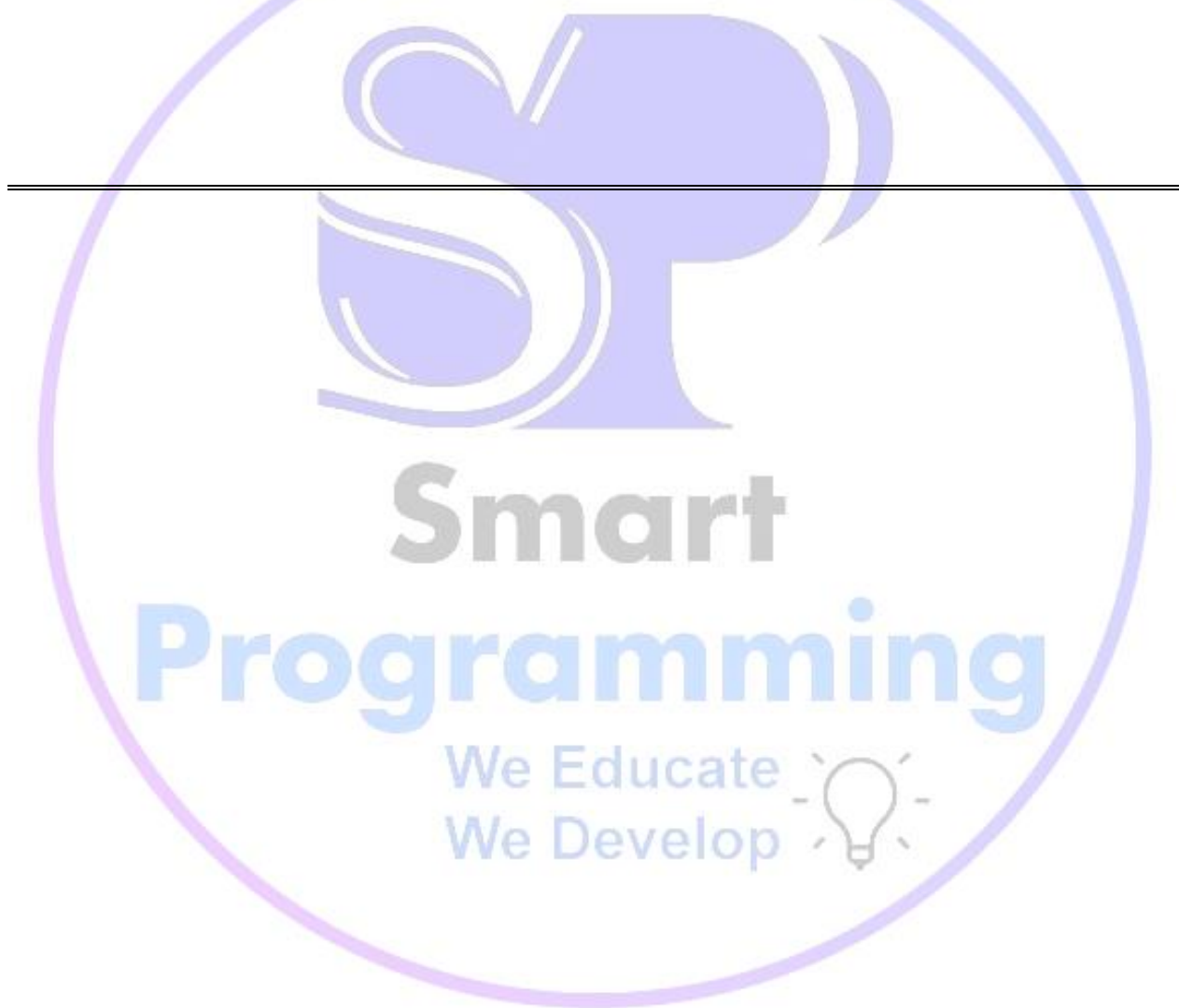## => StringReader :-

-> StringReader is character stream which string as a source

=> StringWriter :-

-> StringWriter is a character stream which can be used to write data from string as a source

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