

# Files Revision

SHOUG remember `Integer.parseInt(string)`

- Read from a file in java using Scanner class
- Write to a file in Java using the FileWriter class or PrintWriter class
- Process a String line in a file using the method split().

# FileWriter Class

- The class is used for writing streams of characters.
- This class has several constructors to create required objects.
- Some of the constructors and their description:
  - **FileWriter(File file)** This constructor creates a FileWriter object given a File object.
  - **FileWriter(File file, boolean append)** This constructor creates a FileWriter object given a File object with a boolean indicating whether or not to append the data written.

# Code Examples

- **Write Example**
- Revision from CS101 lectures Ch12 (WriteData)
- **Read Example**
- Revision from CS101 lectures Ch12 (ReadData)

# Split Method

- This method splits the string around matches of the given regular expression.
- `public String[] split(String regex)`

## Split Coding Example

- Write a program that read from a file "student.txt" line by line and split the lines according to : then it should display them to the screen. In addition it should count the number of students and writes it to a file "Output1.txt".