

Programming 1

Tutorial 9

Activity 1

Write a program that carries out the following tasks:

Open a file with the name `hello.txt`

Store the message `"Hello, World!"` in the file

Close the file

Open the same file again

Read the message into a `String` variable and print it out

Hint

When creating a `File` object using only the file name, the file should be created in the project's root folder. Use `PrintWriter` to write to the file. Use `Scanner` to read file's content.

Deliverable

`BasicFileIO.java`

Activity 2

Write a program that reads a file named `input.txt`, removes any blank lines, and writes the non-blank lines back to the file `output.txt`.

Hint

Create a text file named `input.txt` with random content and several blank lines for this task.

Deliverable

`RemoveBlanks.java`

Activity 3

Write a program that reads a file containing text. The file's name is `mary.txt` and its content is given as below:

```
Mary had a little lamb  
Whose fleece was white as snow.  
And everywhere that Mary went,  
The lamb was sure to go!
```

Read each line and write it to the output file, named `mary2.txt`, preceded by line numbers. The output file should contain:

```
1. Mary had a little lamb  
2. Whose fleece was white as snow.  
3. And everywhere that Mary went,  
4. The lamb was sure to go!
```

Deliverable

LineNumbers.java