* Created word occurrences java project, where I took a paragraph of the poem and added to the java project to find word occurrences.
* Ran the job and showed me the results of how many times the word was showing on that paragraph.
* Created a Junit testing to test the java project for the word occurrences on that same paragraph. My test consisted of making sure my job was going to work, bringing the correct results.
* Results are shown below.

Graphical user interface, application, Word

Description automatically generated

**import** java.util.HashMap;

**import** java.util.Map;

**import** java.util.Scanner;

**public** **class** WordOccurrences {

**public** **static** **void** main(String[] args) {

String text = ("Once upon a midnight dreary, while I pondered, weak and weary,\r\n"

+ "Over many a quaint and curious volume of forgotten lore\r\n"

+ "While I nodded, nearly napping, suddenly there came a tapping,\r\n"

+ "As of some one gently rapping, rapping at my chamber door.\r\n"

+ "Tis some visiter, I muttered, tapping at my chamber door\r\n"

+ "Only this and nothing more.\r\n"

+ "");

String[] words = text.split(" ");

Map<String, Integer> counts = **new** HashMap<String, Integer>();

**for** (String word : words) {

Integer count = counts.get(word);

**if** (count == **null**) {

counts.put(word, 1);

}

**else** {

counts.put(word, count + 1);

}

}

System.***out***.println("Word Occurrences: " + counts);

}

}

Here is my test code:

package testing;

import static org.junit.Assert.\*;

import org.junit.Test;

import java.util.HashMap;

import java.util.Map;

public class WordOccurrencesTest {

@Test

public void testWordOccurrences() {

String text = ("Once upon a midnight dreary, while I pondered, weak and weary,\r\n"

+ "Over many a quaint and curious volume of forgotten lore\r\n"

+ "While I nodded, nearly napping, suddenly there came a tapping,\r\n"

+ "As of some one gently rapping, rapping at my chamber door.\r\n"

+ "Tis some visiter, I muttered, tapping at my chamber door\r\n"

+ "Only this and nothing more.\r\n"

+ "");

String[] words = text.split(" ");

Map<String, Integer> counts = new HashMap<String, Integer>();

for (String word : words) {

Integer count = counts.get(word);

if (count == null) {

counts.put(word, 1);

}

else {

counts.put(word, count + 1);

}

}

}

}

Graphical user interface, application

Description automatically generated

GitHub:

https://github.com/Jrivmal/Module7.git