# Module 04 Debugging Assignment

In this assignment you will demonstrate your knowledge of debugging by fixing the errors you find in the program below. Fix the code, and paste it in this document, along with the list of the problems you fixed.

This example is based on a program which counts the words in the Gettysburg Address.

import java.util.Scanner;

public class Gettysburg {

public String void main(String[] args) {

String URLString = "http://cs.armstrong.edu/liang/Lincoln.txt';

try {

java.net.URL url = new java.net.URL(URLString)

int count = 0;

try (Scanner input = new Scanner(url.openStream()))

while (input.hasNext()) {

String Word = input.next();

if (word.trimm().lemgth() > 0)

count += 1;

}

}

}

System.out.println("The number of words is " + count);

}

catch (java.net.MalformedUNLException ex) {

System.out.print1n("Invalid URL");

}

catch (java.io.IOException ex) {

System.println("IO Errors: no such file");

}

}}

CORRECTED CODE:

**import** java.net.MalformedURLException;

**import** java.util.Scanner;

**public** **class** Gettysburg {

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

String URLString = "http://cs.armstrong.edu/liang/Lincoln.txt";

Scanner input = **new** Scanner(System.***in***);

**try** {

java.net.URL url = **new** java.net.URL(URLString);

**int** count = 0;

**try** (Scanner input1 = **new** Scanner(url.openStream())) {

**while** (input1.hasNext()) {

String Word = input1.next();

**if** (Word.trim().length() > 0)

count += 1;

}

}

System.***out***.println("The number of words is " + count);

}

**catch** (MalformedURLException ex) {

System.***out***.println("Invalid URL");

}

**catch** (java.io.IOException ex) {

System.***out***.println("IO Errors: no such file");

input.close();

}

}}

LIST OF PROBLEMS FIXED:

Line 1 – imported java.net.MalformedURLException;

Line 4 – Changed string to static

Line 5 – Missing quote on string

Line 8 – Missing;

Line 12 – Not importing the scanner to accept keyword.

Line 11 -

Line 15- Misspelled variable

Line 15 – Extra n on trim

Line 15 – Misspelled length.

Line 24 – Corrected it to ( MalformedURLException ex)

Line 25 – Misspelled Println

Line 28- Forgot the .out.

Line 29 – Forgot to include input. Close();

All Lines – No comments!