**Report**

**Program:**

import java.io.File;

import java.util.ArrayList;

import java.util.Arrays;

import java.util.Scanner;

//Author Name: Jacob Stephenson

//Date: 26/1/2018

//Program Name: Stepehenson\_Spellchecker

//Purpose: Does spell checking on list of words stored in the file

public class Stepehenson\_Spellchecker {

public static void main(String args[]){

if(args.length != 2){

System.out.println("Usage: java Stepehenson\_Spellchecker <inputFilename> <dictionaryFileName>");

return;

}

try{

// Read the data in the input test file

String inputData = new Scanner(new File(args[0])).useDelimiter("\\Z").next();

// Read the data in the dictionary file

String dictionaryData = new Scanner(new File(args[1])).useDelimiter("\\Z").next();

// Store the words in the list

ArrayList<String> inputWords=new ArrayList<>(Arrays.asList(inputData.split("\n")));

ArrayList<String> dictionaryWords=new ArrayList<>(Arrays.asList(dictionaryData.split("\n")));

//loop for each word in the input word list

for(int i=0;i<inputWords.size();i++){

String word=inputWords.get(i).trim();

// Check if the word exist in the dictionary

boolean found=false;

for(String dictWord:dictionaryWords){

if(dictWord.trim().equalsIgnoreCase(word)){

found=true;

}

}

// Print the message if word is not in the dictionary

if(!found){

System.out.println(word +" is an unknown word");

}

}

}

catch(Exception ex){

ex.printStackTrace();

}

}

}

**Output:**

