**Program**

import java.util.ArrayList;

import java.util.Arrays;

import java.util.Scanner;

public class Disemvoweling {

private static Scanner scnr;

public static void main(String[] args) {

String text;

String[] output;

String output1 = "";

scnr = new Scanner(System.in);

ArrayList <String> temp = new ArrayList <String>();

ArrayList <String> temp2 = new ArrayList <String>();

System.out.println("Welcome to the disemvoweling utility.");

System.out.print("Enter text to be disemvoweled: ");

text = scnr.nextLine();

output = text.split("");

System.out.println("list " + Arrays.toString(output));

for(int i = 0; i < output.length; i++) {

if(isNotVowel(output[i])) {

temp.add(output[i]);

}

}

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

try {

if(isRepeated(temp.size(), i, temp.get(i), temp.get(i+1))) {

temp2.add(temp.get(i));

}

}catch (IndexOutOfBoundsException e) {

temp2.add(temp.get(i));

}

}

output1= String.join("",temp2);

System.out.println("The disemvoweled phrase is: " + output1);

System.out.println("Reduced from " + text.length() + " to " + output1.length() + " characters. Reduction rate of " + ((text.length() - output1.length()) \* 100) / text.length() + "%");

}

public static boolean isNotVowel(String c) {

if(c.equals("a") || c.equals("e") || c.equals("i") || c.equals("o") || c.equals("u")) {

return false;

}

else {

return true;

}

}

public static boolean isRepeated(int l, int i, String c, String c2) {

if(i+1 <= l) {

if(c.equals(c2)) {

return false;

}

else {

return true;

}

}else {

return true;

}

}

}

**Output 1**

Welcome to the disemvoweling utility.

Enter text to be disemvoweled: Computer Science has wicked cool assignments!

The disemvoweled phrase is: Cmptr Scnc hs wckd cl sgnmnts!

Reduced from 45 to 30 characters. Reduction rate of 33%

**Output 2**

Welcome to the disemvoweling utility.

Enter text to be disemvoweled: Mississippian assassinate possesses statuette

The disemvoweled phrase is: Mspn snt ps st

Reduced from 45 to 14 characters. Reduction rate of 68%