\*MOST FREQUENT DIGIT

import java.util.Arrays;

public class MostFrequentDigit {

public int getMostFrequestDigit(int input1, int input2, int input3, int input4) {

String allNo = String.valueOf(input1) + String.valueOf(input2) + String.valueOf(input3) +

String.valueOf(input4);

int[] digitFrequency = new int[] {0, 0, 0, 0, 0, 0, 0, 0, 0, 0}; // 0-9

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

digitFrequency[Integer.parseInt(String.valueOf(allNo.charAt(i)))]++;

}

int mostFrequentDigit = 0;

for (int i = 0; i <= 9; i++) {

mostFrequentDigit = digitFrequency[i] >=

digitFrequency[mostFrequentDigit] ? i : mostFrequentDigit;

}

return mostFrequentDigit;

}

}

\*RETURN SECOND WORD IN UPPERCASE

public class SecondWordInUppercase {

public String secondWordInUppercase(String input1) {

if (input1.equals("")) return "LESS";

StringBuffer sb = new StringBuffer(input1.trim());

try {

int startIndex = sb.indexOf(" ");

if (startIndex == -1) return "LESS";

try {

int endIndex = sb.indexOf(" ", startIndex+1) + 1;

return sb.substring(startIndex+1, endIndex).toUpperCase().trim();

} catch (StringIndexOutOfBoundsException e) {

return sb.substring(startIndex+1).toUpperCase().trim();

}

} catch (StringIndexOutOfBoundsException e) {

return "LESS";

}

}

}

\*IS PALINDROME(STRING)

public class IsPalindromeString {

public static int getIsPalindromeString(String input1) {

input1 = input1.toLowerCase();

int digitCount = input1.length();

boolean isPalindrome = true;

int range = digitCount / 2;

if (digitCount % 2 == 0) range--;

for (int i = 0; i <= range; i++) {

if (input1.charAt(i) != input1.charAt(digitCount - i - 1)) isPalindrome = false;

}

if (isPalindrome == true) return 2;

else return 1;

}

}

\*WEIGHT OF STRING

public class WeightOfString {

public int weightOfString(String input1, int input2) {

int weight = 0;

for (int i = 0; i < input1.length(); i++) {

char letter = input1.charAt(i);

if (input2 == 0) {

if (letter == 'a' || letter == 'e' || letter == 'i' || letter == 'o' || letter == 'u' ||

letter == 'A' || letter == 'E' || letter == 'I' || letter == 'O' || letter == 'U')

continue;

}

if (letter >= 65 && letter <= 90) weight += letter - 64;

else if (letter >= 97 && letter <= 122) weight += letter - 96;

}

return weight;

}

}