public class VowelCounter {

public static int countVowels(String str) {

int count = 0;

// Convert the string to lowercase to make it case-insensitive

str = str.toLowerCase();

// Loop through the string and check for vowels

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

char c = str.charAt(i);

if (c == 'a' || c == 'e' || c == 'i' || c == 'o' || c == 'u') {

count++;

}

}

return count;

}

public static void main(String[] args) {

String input = "Hello World";

System.out.println("Number of vowels: " + countVowels(input));

}

}