Write a program to print consonants and vowels separately in the given word

Code:

import java.util.Scanner;

public class SeparateConsonantsAndVowels {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

// Input

System.out.print("Enter a word: ");

String inputWord = scanner.nextLine();

// Separate consonants and vowels

String consonants = separateConsonants(inputWord);

String vowels = separateVowels(inputWord);

// Output

System.out.println("Given Word: " + inputWord);

System.out.println("Consonants: " + consonants);

System.out.println("Vowels: " + vowels);

scanner.close();

}

private static String separateConsonants(String word) {

StringBuilder result = new StringBuilder();

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

char currentChar = word.charAt(i);

if (!isVowel(currentChar)) {

result.append(currentChar).append(" ");

}

}

return result.toString().trim();

}

private static String separateVowels(String word) {

StringBuilder result = new StringBuilder();

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

char currentChar = word.charAt(i);

if (isVowel(currentChar)) {

result.append(currentChar).append(" ");

}

}

return result.toString().trim();

}

private static boolean isVowel(char ch) {

String vowels = "aeiouAEIOU";

return vowels.contains(String.valueOf(ch));

}

}

OUTPUT:

C:\javap>javac SeparateConsonantsAndVowels.java

C:\javap>java SeparateConsonantsAndVowels

Enter a word: Saveetha School of Engineering

Given Word: Saveetha School of Engineering

Consonants: S v t h S c h l f n g n r n g

Vowels: a e e a o o o E i e e i

