Write a program to print the number of vowels in the given statement?

Code:

import java.util.Scanner;

public class CountVowels {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

// Input

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

String inputStatement = scanner.nextLine();

// Count vowels

int vowelCount = countVowels(inputStatement);

// Output

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

scanner.close();

}

private static int countVowels(String input) {

// Define the set of vowels

String vowels = "aeiouAEIOU";

int count = 0;

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

char currentChar = input.charAt(i);

if (vowels.contains(String.valueOf(currentChar))) {

count++;

}

}

return count;

}

}

Output:

C:\javap>javac CountVowels.java

C:\javap>java CountVowels

Enter a statement: Saveetha School of Engineering

Number of vowels: 12

