Write a program to read the numbers until -1 is encountered. Find the average of positive numbers and negative numbers entered by user.

CODE:

import java.util.Scanner;

public class AveragePositiveNegative {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

int sumPositive = 0;

int countPositive = 0;

int sumNegative = 0;

int countNegative = 0;

System.out.println("Enter numbers (enter -1 to stop):");

while (true) {

int num = scanner.nextInt();

if (num == -1) {

break; // Stop taking input if -1 is entered

}

if (num >= 0) {

sumPositive += num;

countPositive++;

} else {

sumNegative += num;

countNegative++;

}

}

if (countPositive > 0) {

double avgPositive = (double) sumPositive / countPositive;

System.out.println("Average of positive numbers: " + avgPositive);

} else {

System.out.println("No positive numbers entered.");

}

if (countNegative > 0) {

double avgNegative = (double) sumNegative / countNegative;

System.out.println("Average of negative numbers: " + avgNegative);

} else {

System.out.println("No negative numbers entered.");

}

}

}

OUTPUT:

C:\javap>javac AveragePositiveNegative.java

C:\javap>java AveragePositiveNegative

Enter numbers (enter -1 to stop):

5 2 8 4 -1

Average of positive numbers: 4.75

No negative numbers entered.

