**11 )Write a program to Sum of Each Row and Column in a Matrix.**

import java.util.Scanner;

public class MatrixSum {

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

System.out.print("Enter the number of rows and columns of the matrix: ");

int rows = sc.nextInt();

int cols = sc.nextInt();

int[][] matrix = new int[rows][cols];

System.out.println("Enter the elements of the matrix:");

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

for (int j = 0; j < cols; j++)

{ matrix[i][j] = sc.nextInt();

}

}

int[] rowSum = new int[rows];

int[] colSum = new int[cols];

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

for (int j = 0; j < cols; j++)

{ rowSum[i] += matrix[i][j];

colSum[j] += matrix[i][j];

}

}

System.out.println("Sum of each row:");

for (int sum : rowSum)

{ System.out.println(sum);

}

System.out.println("Sum of each column:");

for (int sum : colSum) {

System.out.println(sum);

}

}

}