Bai 1

public class Fibonacci {

private static long findSum(long n) {

long currentValue = 1, prevValue = 0, sum = 0, temp;

if (n <= 0)

return 0;

if (n == 1)

return 1;

sum = 1;

for (long i = 2; i < n; i++) {

temp = currentValue;

currentValue = prevValue + currentValue;

prevValue = temp;

sum += currentValue;

}System.out.println(currentValue);

return sum;

}

public static void main(String[] args) {

long n = findSum(90L);

System.out.println(n);

}

}

Bai 2

import java.io.BufferedReader;

import java.io.FileReader;

import java.io.IOException;

public class Bai2{

public static int[][] first;

public static int[][] second;

public static int firstX;

public static int firstY;

static void readFile(String src) throws IOException {

BufferedReader reader;

reader = new BufferedReader(new FileReader(src));

String firstDimension = reader.readLine();

String[] split = firstDimension.split(" ");

firstX = Integer.parseInt(split[0]);

firstY = Integer.parseInt(split[0]);

first = new int[firstX][firstY];

second = new int[firstX][firstY];

for (int i = 0; i < firstX\*2; i++) {

String[] line = reader.readLine().split(" ");

for (int j = 0; j < firstY; j++) {

if (i<firstX){

first[i][j] = Integer.parseInt(line[j]);

}else{

second[i-firstX][j] = Integer.parseInt(line[j]);

}

}

}

// Read "@"

reader.readLine();

reader.close();

}

public static void PrintMatrix(int arr[][]){

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

for (int j = 0; j < firstY; j++) {

System.out.print(arr[i][j]+"\t");

}

System.out.println();

}

}

public static int[][] Add2Matrix(int arr1[][],int arr2[][]){

int[][] Sum2Matrix = new int[firstX][firstY];

int sum = 0;

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

for (int j = 0; j < firstY; j++) {

sum = arr1[i][j] + arr2[i][j];

Sum2Matrix[i][j] = sum;

}

}

return Sum2Matrix;

}

public static int[][] Multi2Matrix(int arr1[][],int arr2[][]){

int[][] C = new int[firstX][firstY];

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

for (int j = 0; j < firstY; j++) {

for (int k = 0; k < firstX; k++)

C[i][j] += arr1[i][k] \* arr2[k][j];

}

}

return C;

}

public static int[][] MatrixChuyenVi(int arr1[][]){

int[][] C = new int[firstX][firstY];

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

for (int j = 0; j < firstY; j++) {

C[j][i] = arr1[i][j];

}

}

return C;

}

public static void main(String[] args) throws IOException {

readFile("matrix.txt");

System.out.println("Matrix 1");

PrintMatrix(first);

System.out.println("Matrix 2");

PrintMatrix(second);

System.out.println("Matrix 1+ Matrix 2");

int[][] sum2matrix = Add2Matrix(first,second);

PrintMatrix(sum2matrix);

System.out.println("Matrix 1 \* Matrix 2");

int[][] Multi2Matrix = Multi2Matrix(first,second);

PrintMatrix(Multi2Matrix);

System.out.println("Matrix 1 chuyen vi");

int[][] MatrixChuyenVi = MatrixChuyenVi(first);

PrintMatrix(MatrixChuyenVi);

}

}