**Problem 1 : Royal Tournament**

**Solution :   
import java.util.Scanner;  
  
public class royalTournament {  
 public static void main(String[] args) {  
 Scanner sc = new Scanner(System.*in*);  
 int n = sc.nextInt();  
 int m = sc.nextInt();  
 int arr[][]= new int [n][m];  
 int sum [] = new int [n];  
 for(int i=0;i<n;i++){  
 for(int j=0;j<m;j++){  
 arr[i][j]=sc.nextInt();  
 }  
 }  
 for(int i=0;i<n;i++){  
 for(int j=0;j<m;j++){  
 sum[i] +=arr[i][j];  
 }  
 }  
 int max= 0 ;  
 int indice = 0;  
 for(int i=0;i<n;i++){  
 if(sum[i]>max){  
 max=sum[i];  
 indice=i;  
 }  
 }  
 System.*out*.println(indice);  
 }  
}**

**Input : 3 3**

**1 2 3**

**4 5 6**

**7 8 9**

**Output : 2**

**Problem 2 : Royal Tournament**

**Solution :**

**import java.util.Scanner;  
  
public class royalPath {  
 public static void main(String[] args) {  
 Scanner sc = new Scanner(System.*in*);  
 int n = sc.nextInt();  
 int sumOfWisdom = 0;  
 int sumOfPower =0;  
 int arr[][] = new int [n][n];  
 for (int i = 0; i < n; i++) {  
 for (int j = 0; j < n; j++) {  
 arr[i][j] = sc.nextInt();  
 }  
 }  
 for(int i = 0; i < n; i++){  
 for(int j = 0; j < n; j++){  
 if(i==j)  
 sumOfWisdom += arr[i][j];  
 }  
 }  
 int j =n-1;  
 int i=0;  
 while(j>=0){  
 sumOfPower+= arr[i][j];  
 j--;  
 i++;  
 }  
 System.*out*.println(sumOfWisdom+" "+sumOfPower);  
 }  
}**

**Input : 3**

**1 2 3**

**4 5 6**

**7 8 9**

**Output : 15 15**

**Problem 3 : Strange Mirror**

**Solution :  
import java.util.Scanner;  
  
public class strangeMirror {  
 public static void main(String[] args) {  
 Scanner sc = new Scanner(System.*in*);  
 int n = sc.nextInt();  
 int m = sc.nextInt();  
 int [][]arr = new int[n][m];  
 for (int i = 0; i < n; i++) {  
 for (int j = 0; j < m; j++) {  
 arr[i][j] = sc.nextInt();  
 }  
 }  
 if(m%2==0){  
 int F = m/2;  
 for(int i=0;i<n;i++){  
 for(int j = 0; j < F; j++) {  
 int x = arr[i][j];  
 arr[i][j] = arr[i][m-j-1];  
 arr[i][m-j-1] = x;  
 }  
 }  
 }  
 else{  
 int F = m/2;  
 for(int i=0;i<n;i++){  
 for(int j = 0; j < F; j++) {  
 int x = arr[i][j];  
 arr[i][j] = arr[i][m-j-1];  
 arr[i][m-j-1] = x;  
 }  
 }  
 }  
 for (int i = 0; i < n; i++) {  
 for (int j = 0; j < m; j++) {  
 System.*out*.print(arr[i][j] + " ");  
 }  
 System.*out*.println(" ");  
 }  
 }  
}**

**Input : 4 4**

**1 2 3 4**

**5 6 7 8**

**9 10 11 12**

**13 14 15 16**

**Output :**

**4 3 2 1**

**8 7 6 5**

**9 10 11 12**

**16 15 14 13**