**JAVA-MINI-01-15E218**

FileName : FileArray.java

import java.io.BufferedReader;

import java.io.InputStreamReader;

import java.io.FileReader;

import java.io.IOException;

import java.io.FileNotFoundException;

public class Filearray{

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

BufferedReader read=new BufferedReader(new FileReader("Visitor.txt"));

BufferedReader scan=new BufferedReader(new InputStreamReader(System.in));

int visit[][][];

int days[]={31,29,31,30,31,30,31,31,30,31,30,31};

visit=new int[12][][];

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

visit[i]=new int[days[i]][24];

}

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

for (int j=0;j<visit[i].length;j++) {

for (int k=0;k<visit[i][j].length ;k++) {

visit[i][j][k]=Integer.valueOf(read.readLine());

}

}

}

do {

System.out.print("1.Average and sum of Vistors in a Particuar Month\n");

System.out.print("2.Average and sum of Vistors in a Particuar Day \n");

System.out.print("3.Average and sum of Vistors in a Particuar hour\n");

System.out.print("4.Average and sum of Vistors in a Particuar Month With Start and end\n");

System.out.print("5.Average and sum of Vistors in a Particuar day With Bounadry Values\n");

System.out.print("6.Average and sum of Vistors in a Particuar hour with Boundary values \n");

System.out.print("7.Average and sum of Vistors in a Particuar Month Multipe boundary VAlues\n");\

System.out.print("8.Average and sum of Vistors in a Particuar Days Multiple boundary values\n");

System.out.print("9.Average and sum of Vistors in a Particuar Hours have Multiple values\n");

System.out.print("10.Average and sum of Vistors in a Particuar All have multiple boudary values\n");

int ch=Integer.valueOf(scan.readLine());

int sum=0;

double avg=0;

switch(ch) {

case 1:

System.out.print("Enter Month:");

int mon=Integer.valueOf(scan.readLine());

for(int i=0;i<visit[mon].length;i++) {

for(int j=0;j<visit[mon][i].length;j++) {

sum=sum+visit[mon][i][j];

}

}

avg=sum/(visit[mon].length\*24);

System.out.println("Sum:"+sum);

System.out.println("Average:"+avg);

break;

case 2:

System.out.print("Enter Days:");

int day=Integer.valueOf(scan.readLine());

day=day-1;

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

if(visit[i].length<=day) {

continue;

}

else {

for(int j=0;j<visit[i][day].length;j++) {

sum=sum+visit[i][day][j];

}

}

}

avg=sum/(visit.length\*24);

System.out.println("Sum:"+sum);

System.out.println("Average:"+avg);

break;

case 3:

System.out.print("Enter Hour:");

int hour=Integer.valueOf(scan.readLine());

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

for(int j=0;j<visit[i].length;j++) {

sum=sum+visit[i][j][hour];

}

}

avg=sum/(366);

System.out.println("Sum:"+sum);

System.out.println("Average:"+avg);

case 4:

System.out.print("Enter month Start Value:");

int s\_Value=Integer.valueOf(scan.readLine());

System.out.print("Enter month End Value:");

int e\_Value=Integer.valueOf(scan.readLine());

for(int i=s\_Value;i<e\_Value;i++) {

for(int j=0;j<visit[i].length;j++) {

for(int k=0;k<visit[i][j].length;k++){ sum=sum+visit[i][j][k];

}

}

}

avg=sum/((e\_Value-s\_Value)\*366);

System.out.println("Sum:"+sum);

System.out.println("Average:"+avg);

break;

case 5:

System.out.print("Enter Month Value:");

int month=Integer.valueOf(scan.readLine());

System.out.print("Enter day Start Value:");

int sd\_Value=Integer.valueOf(scan.readLine());

int src=sd\_Value;

System.out.print("Enter day End Value:");

int ed\_ Value=Integer.valueOf(scan.readLine());

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

if(visit[i].length<=sd\_Value) {

continue;

}

else {

for(int j=0;j<visit[i][sd\_Value].length;j++) {

sum=sum+visit[i][sd\_Value][j];

}

}

sd\_Value++;

if(sd\_Value>ed\_Value)

break;

}

avg=sum/((ed\_Value-src)\*24);

System.out.println("Sum:"+sum);

System.out.println("Average:"+avg);

case 6:

System.out.print("Enter Month Value:");

int monthh=Integer.valueOf(scan.readLine());

System.out.print("Enter day Value:");

int Day=Integer.valueOf(scan.readLine());

System.out.print("Enter Hour Start Value:");

int sh\_Value=Integer.valueOf(scan.readLine());

int src1=sh\_Value;

System.out.print("Enter Hour End Value:");

int eh\_Value=Integer.valueOf(scan.readLine());

for(int j=sh\_Value;j<visit[monthh][Day].length;j++) {

sum=sum+visit[monthh][Day][j];

j++;

if(j>eh\_Value)

break;

}

avg=sum/((eh\_Value-src1));

System.out.println("Sum:"+sum);

System.out.println("Average:"+avg);

break;

case 7:

System.out.print("Enter No of boundary Values:");

int T=Integer.valueOf(scan.readLine());

for(int m=0;m<T;m++) {

System.out.print("Enter month Start Value of"+m+":");

int smd\_Value=Integer.valueOf(scan.readLine());

System.out.print("Enter month End Value"+m+":");

int emd\_Value=Integer.valueOf(scan.readLine());

for(int i=smd\_Value;i<emd\_Value;i++) {

for(int j=0;j<visit[i].length;j++) {

for(int k=0;k<visit[i][j].length;k++) {

sum=sum+visit[i][j][k];

}

}

}

avg=sum/((emd\_Value-smd\_Value)\*366);

System.out.println("Sum:"+sum);

System.out.println("Average:"+avg);

}

break;

case 8:

System.out.print("Enter No of boundary Values:");

int T1=Integer.valueOf(scan.readLine());

for(int m=0;m<T1;m++) {

System.out.print("Enter Month Value:");

int monm=Integer.valueOf(scan.readLine());

System.out.print("Enter day Start Value:");

int smd\_Value=Integer.valueOf(scan.readLine());

int src2=smd\_Value;

System.out.print("Enter day End Value:");

int emd\_Value=Integer.valueOf(scan.readLine());

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

if(visit[i].length<=smd\_Value) {

continue;

}

else{

for(int j=0;j<visit[i][smd\_Value].length;j++) {

sum=sum+visit[i][smd\_Value][j];

}

}

smd\_Value++;

if(smd\_Value>emd\_Value)

break;

}

avg=sum/((emd\_Value-src2)\*24);

System.out.println("Sum:"+sum);

System.out.println("Average:"+avg);

}

break;

case 9:

System.out.print("Enter No of boundary Values:");

int T3=Integer.valueOf(scan.readLine());

for(int m=0;m<T3;m++) {

System.out.print("Enter Month Value:");

int monmh=Integer.valueOf(scan.readLine());

System.out.print("Enter day Value:");

int Days=Integer.valueOf(scan.readLine());

System.out.print("Enter Hour Start Value:");

int smh\_Value=Integer.valueOf(scan.readLine());

int src3=smh\_Value;

System.out.print("Enter Hour End Value:");

int emh\_Value=Integer.valueOf(scan.readLine());

for(int j=smh\_Value;j<visit[monmh][Days].length;j++) {

sum=sum+visit[monmh][Days][j];

j++;

if(j>emh\_Value)

break;

}

avg=sum/((emh\_Value-src3));

System.out.println("Sum:"+sum);

System.out.println("Average:"+avg);

}

}

}

while(true);

}

}