# JAVA-MINI-01-15E218

FileName : FileArray.java

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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);
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                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) {
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                    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:");
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                                        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);
        }
}
```