

```
import java.util.*;

public class Rainfall{
    static int numYears,numMonths;
    static double inchesOfRainfall, totalRainfall, avgRainfall;

    Rainfall()
    {
        numYears=0;
        numMonths=0;
        inchesOfRainfall=-1;
        totalRainfall=0;
    }

    public void Statistics(int num)
    {Scanner in=new Scanner(System.in);
    for(int i=1;i<=num;i++)
    {
        for(int j=1;j<=12;j++)
        {
            do
            {System.out.println("Enter inches of rainfall for this month");
            inchesOfRainfall = in.nextDouble();
            if(inchesOfRainfall<0)
            {System.out.println("Invalid rainfall");
            }
            }while(inchesOfRainfall<0);
            numMonths=numMonths+1;
            totalRainfall=totalRainfall+inchesOfRainfall;
        }
    }
    avgRainfall= totalRainfall/numMonths;
    System.out.println("The total inches of rainfall for "+numMonths+" months is
    "+inchesOfRainfall+" and the average rainfall per month over the period is "+avgRainfall);
    }

    public static void main(String[] args) {
        try{
            Rainfall rain= new Rainfall();
            Scanner in=new Scanner(System.in);
            while(numYears<1)
            {
                System.out.println("Enter the number of years");
                numYears = in.nextInt();
                if(numYears<1)
                {System.out.println("Invalid number");}
            }

            rain.Statistics(numYears);
        }
        catch(Exception ex)
        {
            // getMessage will print description of exception
            System.out.println(ex.getMessage());}
        }
    }
}
```