**Module-3**

**Assignment-2**

**Code:**

**thesurgeonabs class**:

package Module\_4;

import java.io.\*;

public abstract class thesurgeonabs {

abstract void report() throws IOException;

}

**thesurgeon class**:

package Module\_4;

import java.io.\*;

public class thesurgeon extends thesurgeonabs{

int n;

thesurgeon(){

n=0;

}

thesurgeon(int x){

n=x;

}

@Override

void report()throws IOException {

InputStreamReader isr=new InputStreamReader(System.in);

BufferedReader br=new BufferedReader(isr);

String name[]=new String[n];

String day[]=new String[n];

int i;

System.out.println("Enter the name of patient and day visited: ");

for(i=0;i<n;i++) {

name[i]=br.readLine();

day[i]=br.readLine();

}

System.out.println("Last Week's Patients Report: ");

for(i=0;i<n;i++) {

System.out.println("Name of Patient: "+name[i]);

System.out.println("Day Visited: "+day[i]);

System.out.println();

}

}

}

**thesurgeonmain class**:

package Module\_4;

import java.io.\*;

public class thesurgeonmain {

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

InputStreamReader isr=new InputStreamReader(System.in);

BufferedReader br=new BufferedReader(isr);

System.out.println("Enter the number of patients visited: ");

int n1=Integer.parseInt(br.readLine());

thesurgeonabs ob=new thesurgeon(n1);

ob.report();

}

}

**Output:**

Enter the number of patients visited:

5

Enter the name of patient and day visited:

Arnab

Monday

Sayan

Tuesday

Kinjal

Friday

Agniva

Thursday

Ritam

Sunday

Last Week's Patients Report:

Name of Patient: Arnab

Day Visited: Monday

Name of Patient: Sayan

Day Visited: Tuesday

Name of Patient: Kinjal

Day Visited: Friday

Name of Patient: Agniva

Day Visited: Thursday

Name of Patient: Ritam

Day Visited: Sunday