

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