

## Class 1: No call

```
package variableStudy;

public class PatientManagementSystem1 {

    public static void main(String[] args)

    {

        //no calling

    }

    public static void hospital1() //static regular method without
    parameters

    {

        //doctor name, disease, discharged or not

        //variable declaration

        String docname;

        boolean discharged;

        float bill;

        //variable initialization

        docname="Dr. Sharma";

        discharged=true;

        bill=10548.58f;

        //usage

        System.out.println("Name of the doctor operating : "+docname);

        System.out.println("Patient discharged : "+discharged);

        System.out.println("Total generated bill : "+bill);
```

```

System.out.println("=====
");

}

public void hospital2() //non static regular method without
parameters

{

//doctor name, disease, total bill

//variable declaration

String docname;

boolean discharged;

float bill;

//variable initialization

docname="Dr. Mishra";

discharged=false;

bill=11578.77f;

//usage

System.out.println("Name of the doctor operating : "+docname);

System.out.println("Patient discharged : "+discharged);

System.out.println("Total generated bill : "+bill);

System.out.println("=====
");

}

public static void hospital3(String docname, boolean discharged,
float bill) //static regular method with parameters

{

System.out.println("Name of the doctor operating : "+docname);

```

```

System.out.println("Patient discharged : "+discharged);

System.out.println("Total generated bill : "+bill);

System.out.println("=====
");

}

public void hospital4(String docname, boolean discharged, float
bill) //non static regular method with parameters

{

System.out.println("Name of the doctor operating : "+docname);

System.out.println("Patient discharged : "+discharged);

System.out.println("Total generated bill : "+bill);

System.out.println("=====
");

}

}

```

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## Class 2: Calling from same class & another class

```

package variableStudy;

public class PatientManagementSystem2 {

public static void main(String[] args)

{

management1("Swapnil", 'M', 22.10f, 1421, "Malaria",
91677457641); //calling static method from same class

```

```

PatientManagementSystem1.hospital1(); //calling static method
from another class

PatientManagementSystem2 pms2=new PatientManagementSystem2();
//creating object for non static method for same class

pms2.management2("Rohit", 'M', 23.1f, 4534, "Dengue",
99870695421); //calling non static method from same class

PatientManagementSystem1 pms1=new PatientManagementSystem1();
//creating object for non static method from another class

pms1.hospital2(); //calling non static method from another class

management1("Sanket", 'M', 23, 982, "Jaundice", 86536334961);
//calling static method from same class

PatientManagementSystem1.hospital3("Dr. Batra", true,
120588.67f); //calling static method from another class

management1("Prasad", 'M', 24.8f, 5648, "Severe Cold",
75068904261); //calling static method from same class

pms1.hospital4("Dr. Yamini", false, 550); //calling non static
method from another class

}

//patient name, gender, age, id, disease, phone number

public static void management1(String name, char gender, float
age, int id, String disease, long phoneNum) //static regular
method with parameters

{

System.out.println("Name of the patient : "+name);

System.out.println("Gender : "+gender);

System.out.println("Age : "+age);

System.out.println("Id : "+id);

System.out.println("Disease infected : "+disease);

System.out.println("Phone number : "+phoneNum);

```

```
}

//patient name, gender, age, id, disease, phone number

public void management2(String name, char gender, float age, int
id, String disease, long phoneNum) //non static regular method
with parameters

{

System.out.println("Name of the patient : "+name);

System.out.println("Gender : "+gender);

System.out.println("Age : "+age);

System.out.println("Id : "+id);

System.out.println("Disease infected : "+disease);

System.out.println("Phone number : "+phoneNum);

}

}
```

## Output:

Name of the patient : Swapnil

Gender : M

Age : 22.1

Id : 1421

Disease infected : Malaria

Phone number : 9167745764

Name of the doctor operating : Dr. Sharma

Patient discharged : true

Total generated bill : 10548.58

=====

Name of the patient : Rohit

Gender : M

Age : 23.1

Id : 4534

Disease infected : Dengue

Phone number : 9987069542

Name of the doctor operating : Dr. Mishra

Patient discharged : false

Total generated bill : 11578.77

=====

Name of the patient : Sanket

Gender : M

Age : 23.0

Id : 982

Disease infected : Jaundice

Phone number : 8653633496

Name of the doctor operating : Dr. Batra

Patient discharged : true

Total generated bill : 120588.67

=====

Name of the patient : Prasika

Gender : F

Age : 24.8

Id : 5648

Disease infected : Severe Cold

Phone number : 7506890426

Name of the doctor operating : Dr. Yamini

Patient discharged : false

Total generated bill : 550.0

=====

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