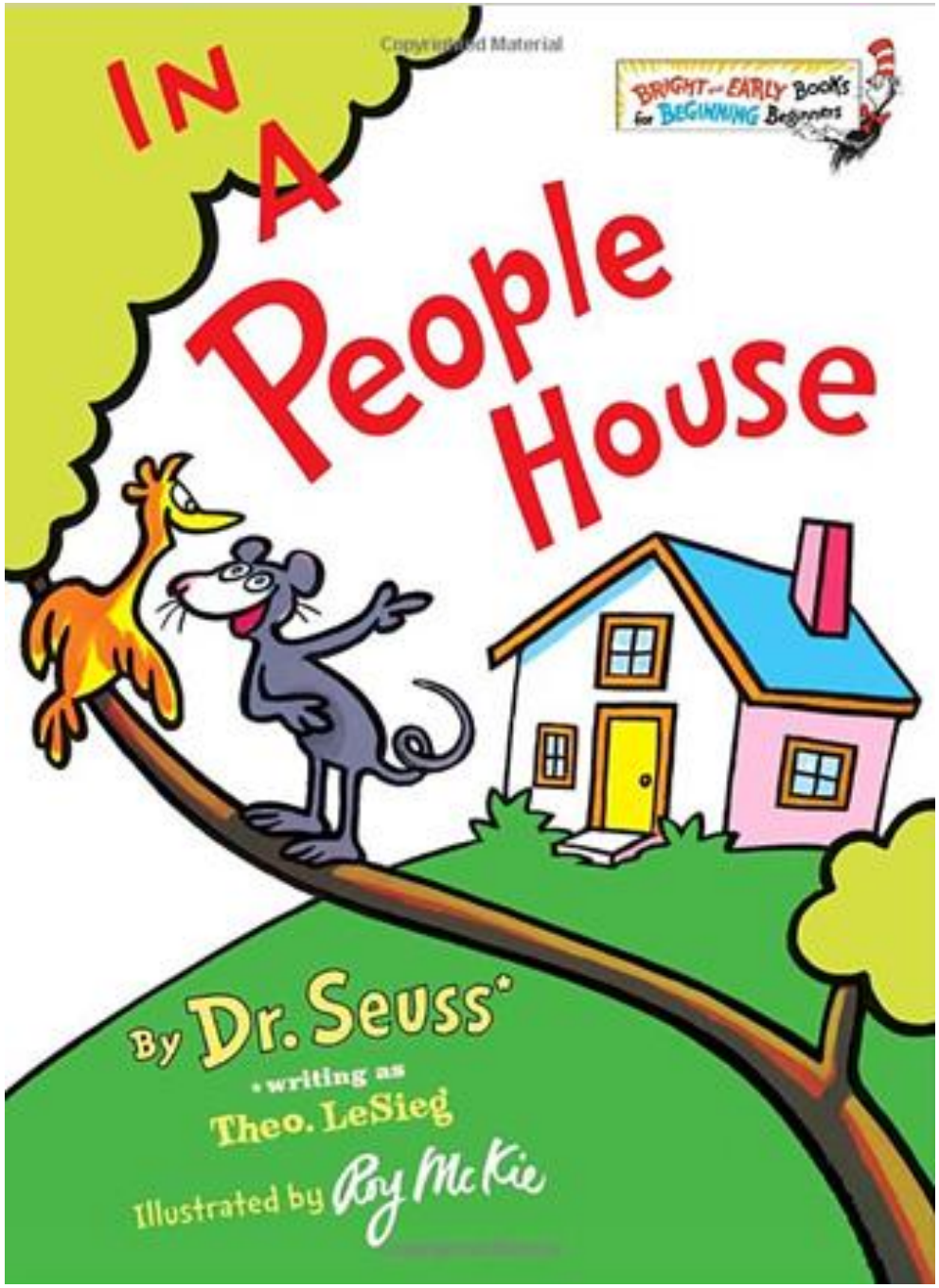
In a People House

How Methods Break Up Code

Copyrighted Material



```
public class house
{
    public static void main (String args[])
    {
        new house ();
    }

    public house ()
    {
        Outside ();
    }
```

```
public void Outside ()
{
    System.out.println ("\nYou are outside");
    char where = IO.inputChar ("Inside? (y/n) ");
    if (where == 'y')
        LivingRoom ();
    else
        System.out.println ("Good bye!");
}
```

```
public void LivingRoom ()
{
    System.out.println ("\nYou are in the living room");
    char where = IO.inputChar ("Library (l) or Outside (o)? ");
    if (where == 'l')
        Library ();
    else
        Outside ();
}
```

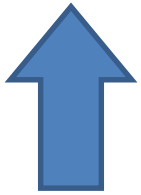
```
public void Library ()
{
    System.out.println ("\nYou are in the library");
    char where = IO.inputChar ("Living (l) or Kitchen (b)? ");
    if (where == 'l')
        LivingRoom ();
    else
        Kitchen ();
}
```

```
public void Kitchen ()
{
    System.out.println ("\nYou are in the Kitchen");
    char where = IO.inputChar ("Bathroom (b) or Library(l)? ");
    if (where == 'b')
        Bathroom ();
    else
        Library ();
}
```

```
public void Bathroom ()
{
    System.out.println ("\nYou are in the bathroom");
    char where = IO.inputChar ("Kitchen (y/n)? ");
    if (where == 'y')
        Kitchen ();
    else
        System.out.println ("You stay in the bathroom.");
}
```

```
public class house
{
    public static void main (String args[])
    {
        new house ();
    }

    public house ()
    {
        Outside ();
    }
```

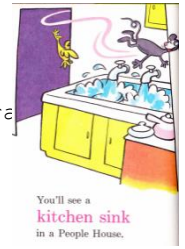
```
public void Outside ()
{
    System.out.println ("\nYou are out
    char where = IO.inputChar ("Inside
    if (where == 'y')
        LivingRoom ();
    else
        System.out.println ("Good bye!
}
```



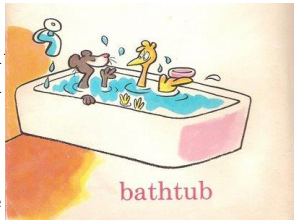
```
public void LivingRoom ()
{
    System.out.println ("\nYou are in the living room
    char where = IO.inputChar ("Library (l) or Outsid
    if (where == 'l')
        Library ();
    else
        Outside ();
}
```

```
public void Library ()
{
    System.out.println ("\nYou are in the library");
    char where = IO.inputChar ("Living (l) or Kitche
    if (where == 'l')
        LivingRoom ();
    else
        Kitchen ();
}
```

```
public void Kitchen ()
{
    System.out.println ("\nYou are in the Kitchen");
    char where = IO.inputChar ("Bathroom (b) or Libra
    if (where == 'b')
        Bathroom ();
    else
        Library ();
}
```

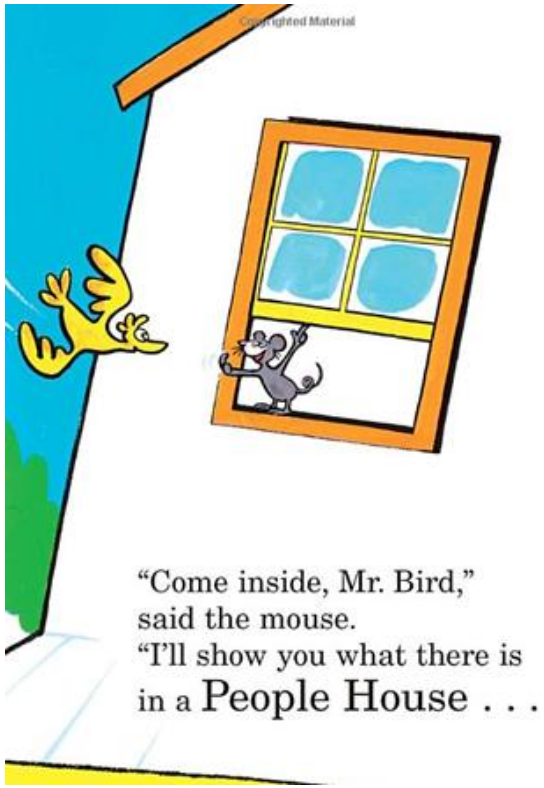



```
public void Bathroom ()
{
    System.out.println ("\nYou are in the ba
    char where = IO.inputChar ("Kitchen (y/n
    if (where == 'y')
        Kitchen ();
    else
        System.out.println ("You stay in the
}
```



```
public void Outside ()
    {
        System.out.println ("\nYou are outside");
        char where = IO.inputChar ("Inside? (y/n) ");
        if (where == 'y')
            LivingRoom ();
        else
            System.out.println ("Good bye!");
    }
```

You are outside
Inside? (y/n) y



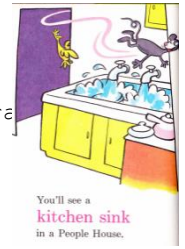
```
public class house
{
    public static void main (String args[])
    {
        new house ();
    }

    public house ()
    {
        Outside ();
    }
```

```
public void Outside ()
{
    System.out.println ("\nYou are out
    char where = IO.inputChar ("Inside
    if (where == 'y')
        LivingRoom ();
    else
        System.out.println ("Good bye!
}
```

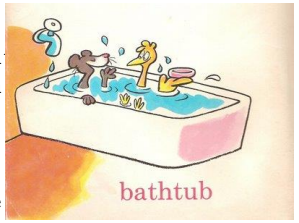
```
public void LivingRoom ()
{
    System.out.println ("\nYou are in the living room
    char where = IO.inputChar ("Library (l) or Outsid
    if (where == 'l')
        Library ();
    else
        Outside ();
}
```

```
public void Library ()
 {
    System.out.println ("\nYou are in the library");
    char where = IO.inputChar ("Living (l) or Kitche
    if (where == 'l')
        LivingRoom ();
    else
        Kitchen ();
 }
```

```
public void Kitchen ()
 {
    System.out.println ("\nYou are in the Kitchen");
    char where = IO.inputChar ("Bathroom (b) or Libra
    if (where == 'b')
        Bathroom ();
    else
        Library ();
 }
```




```
public void Bathroom ()
 {
    System.out.println ("\nYou are in the ba
    char where = IO.inputChar ("Kitchen (y/n
    if (where == 'y')
        Kitchen ();
    else
        System.out.println ("You stay in the
 }
```



```
public void LivingRoom ()
{
    System.out.println ("\nYou are in the living room");
    char where = IO.inputChar ("Library (l) or Outside (o)? ");
    if (where == 'l')
       Library ();
    else
        Outside ();
}
```

You are outside
Inside? (y/n) y

You are in the living room
Library (l) or Outside (o)? l

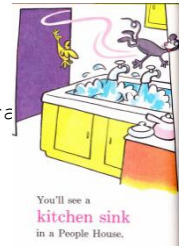
```
public class house
{
    public static void main (String args[])
    {
        new house ();
    }

    public house ()
    {
        Outside ();
    }
```

```
public void Outside ()
{
    System.out.println ("\nYou are out
    char where = IO.inputChar ("Inside
    if (where == 'y')
        LivingRoom ();
    else
        System.out.println ("Good bye!
}
```

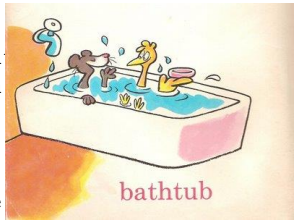
```
public void LivingRoom ()
{
    System.out.println ("\nYou are in the living room
    char where = IO.inputChar ("Library (l) or Outsid
    if (where == 'l')
        Library ();
    else
        Outside ();
}
```

```
public void Library ()
{
    System.out.println ("\nYou are in the library");
    char where = IO.inputChar ("Living (l) or Kitche
    if (where == 'l')
        LivingRoom ();
    else
        Kitchen ();
}
```

```
public void Kitchen ()
{
    System.out.println ("\nYou are in the Kitchen");
    char where = IO.inputChar ("Bathroom (b) or Libra
    if (where == 'b')
        Bathroom ();
    else
        Library ();
}
```




```
public void Bathroom ()
{
    System.out.println ("\nYou are in the ba
    char where = IO.inputChar ("Kitchen (y/n
    if (where == 'y')
        Kitchen ();
    else
        System.out.println ("You stay in the
}
```



```
public void Library ()
{
    System.out.println ("\nYou are in the library");
    char where = IO.inputChar ("Living (l) or Kitchen (k)? ");
    if (where == 'l')
       LivingRoom ();
    else
        Kitchen ();
}
```

You are outside
Inside? (y/n) y

You are in the living room
Library (l) or Outside (o)? l

You are in the library
Living (l) or Kitchen (k)? k

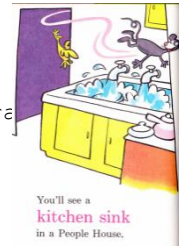
```
public class house
{
    public static void main (String args[])
    {
        new house ();
    }

    public house ()
    {
        Outside ();
    }
```

```
public void Outside ()
{
    System.out.println ("\nYou are out
    char where = IO.inputChar ("Inside
    if (where == 'y')
        LivingRoom ();
    else
        System.out.println ("Good bye!
}
```

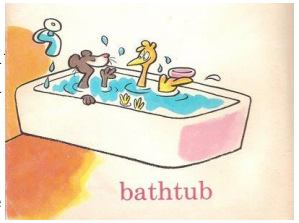
```
public void LivingRoom ()
{
    System.out.println ("\nYou are in the living room
    char where = IO.inputChar ("Library (l) or Outsid
    if (where == 'l')
        Library ();
    else
        Outside ();
}
```

```
public void Library ()
{
    System.out.println ("\nYou are in the library");
    char where = IO.inputChar ("Living (l) or Kitche
    if (where == 'l')
        LivingRoom ();
    else
        Kitchen ();
}
```

```
public void Kitchen ()
{
    System.out.println ("\nYou are in the Kitchen");
    char where = IO.inputChar ("Bathroom (b) or Libra
    if (where == 'b')
        Bathroom ();
    else
        Library ();
}
```




```
public void Bathroom ()
{
    System.out.println ("\nYou are in the ba
    char where = IO.inputChar ("Kitchen (y/n
    if (where == 'y')
        Kitchen ();
    else
        System.out.println ("You stay in the
}
```

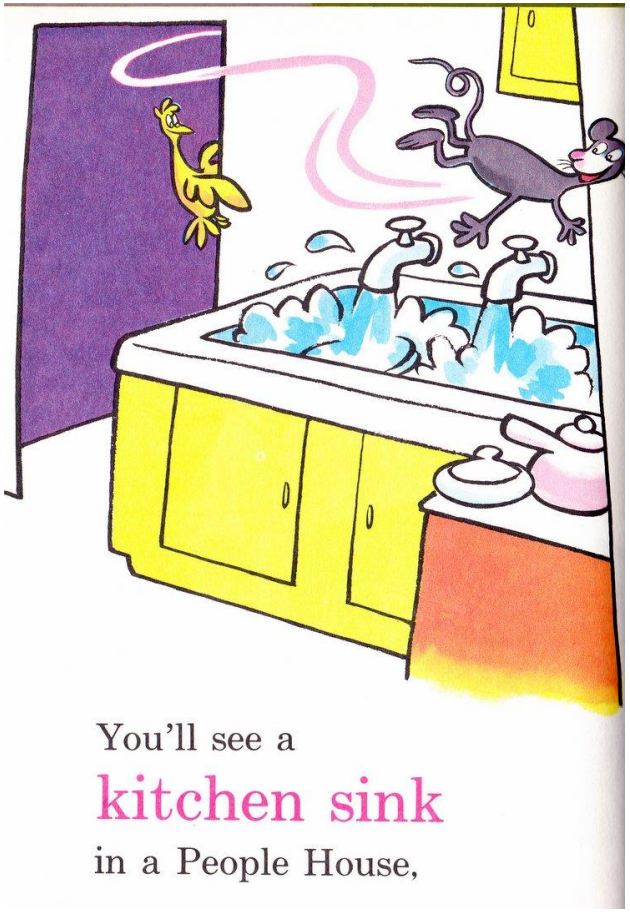


```
public void Kitchen ()
{
    System.out.println ("\nYou are in the Kitchen");
    char where = IO.inputChar ("Bathroom (b) or Library(l)? ");
    if (where == 'b')
        Bathroom ();
    else
        Library ();
}
```

…

You are in the library
Living (l) or Kitchen (k)? k

You are in the Kitchen
Bathroom (b) or Library(l)? b



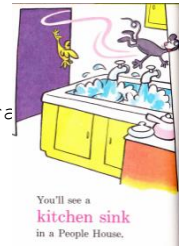
```
public class house
{
    public static void main (String args[])
    {
        new house ();
    }

    public house ()
    {
        Outside ();
    }
```

```
public void Outside ()
{
    System.out.println ("\nYou are out
    char where = IO.inputChar ("Inside
    if (where == 'y')
        LivingRoom ();
    else
        System.out.println ("Good bye!
}
```

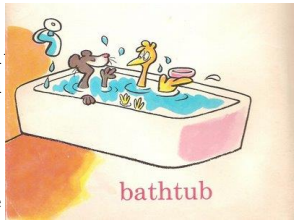
```
public void LivingRoom ()
{
    System.out.println ("\nYou are in the living room
    char where = IO.inputChar ("Library (l) or Outsid
    if (where == 'l')
        Library ();
    else
        Outside ();
}
```

```
public void Library ()
{
    System.out.println ("\nYou are in the library");
    char where = IO.inputChar ("Living (l) or Kitche
    if (where == 'l')
        LivingRoom ();
    else
        Kitchen ();
}
```

```
public void Kitchen ()
{
    System.out.println ("\nYou are in the Kitchen");
    char where = IO.inputChar ("Bathroom (b) or Libra
    if (where == 'b')
        Bathroom ();
    else
        Library ();
}
```




```
public void Bathroom ()
{
    System.out.println ("\nYou are in the ba
    char where = IO.inputChar ("Kitchen (y/n
    if (where == 'y')
        Kitchen ();
    else
        System.out.println ("You stay in the
}
```

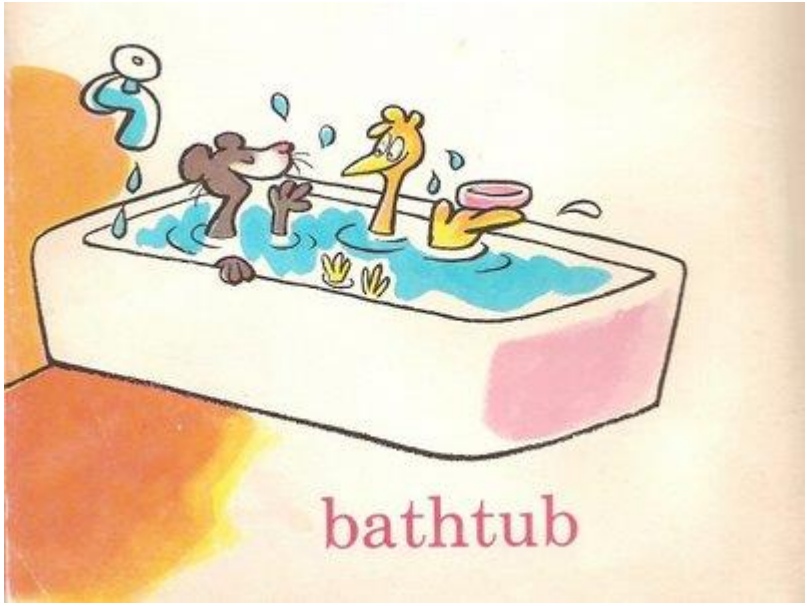


```
public void Bathroom ()
{
    System.out.println ("\nYou are in the bathroom");
    char where = IO.inputChar ("Kitchen (y/n)? ");
    if (where == 'y')
       Kitchen ();
    else
        System.out.println ("You stay in the bathroom.");
}
```

…

You are in the Kitchen
Bathroom (b) or Library(l)? b

You are in the bathroom
Kitchen (y/n)? y



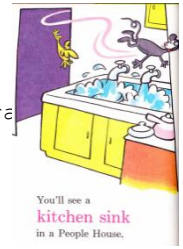
```
public class house
{
    public static void main (String args[])
    {
        new house ();
    }

    public house ()
    {
        Outside ();
    }
```

```
public void Outside ()
{
    System.out.println ("\nYou are out
    char where = IO.inputChar ("Inside
    if (where == 'y')
        LivingRoom ();
    else
        System.out.println ("Good bye!
}
```

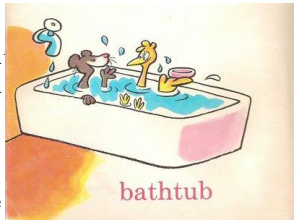
```
public void LivingRoom ()
{
    System.out.println ("\nYou are in the living room
    char where = IO.inputChar ("Library (l) or Outsid
    if (where == 'l')
        Library ();
    else
        Outside ();
}
```

```
public void Library ()
{
    System.out.println ("\nYou are in the library");
    char where = IO.inputChar ("Living (l) or Kitche
    if (where == 'l')
        LivingRoom ();
    else
        Kitchen ();
}
```

```
public void Kitchen ()
{
    System.out.println ("\nYou are in the Kitchen");
    char where = IO.inputChar ("Bathroom (b) or Libra
    if (where == 'b')
        Bathroom ();
    else
        Library ();
}
```




```
public void Bathroom ()
{
    System.out.println ("\nYou are in the ba
    char where = IO.inputChar ("Kitchen (y/n
    if (where == 'y')
        Kitchen ();
    else
        System.out.println ("You stay in the
}
```

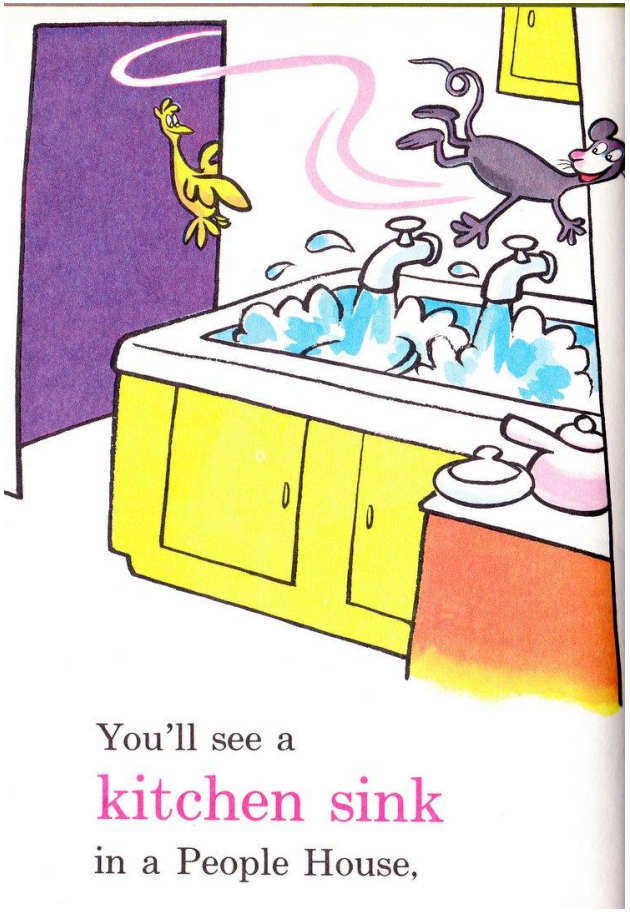


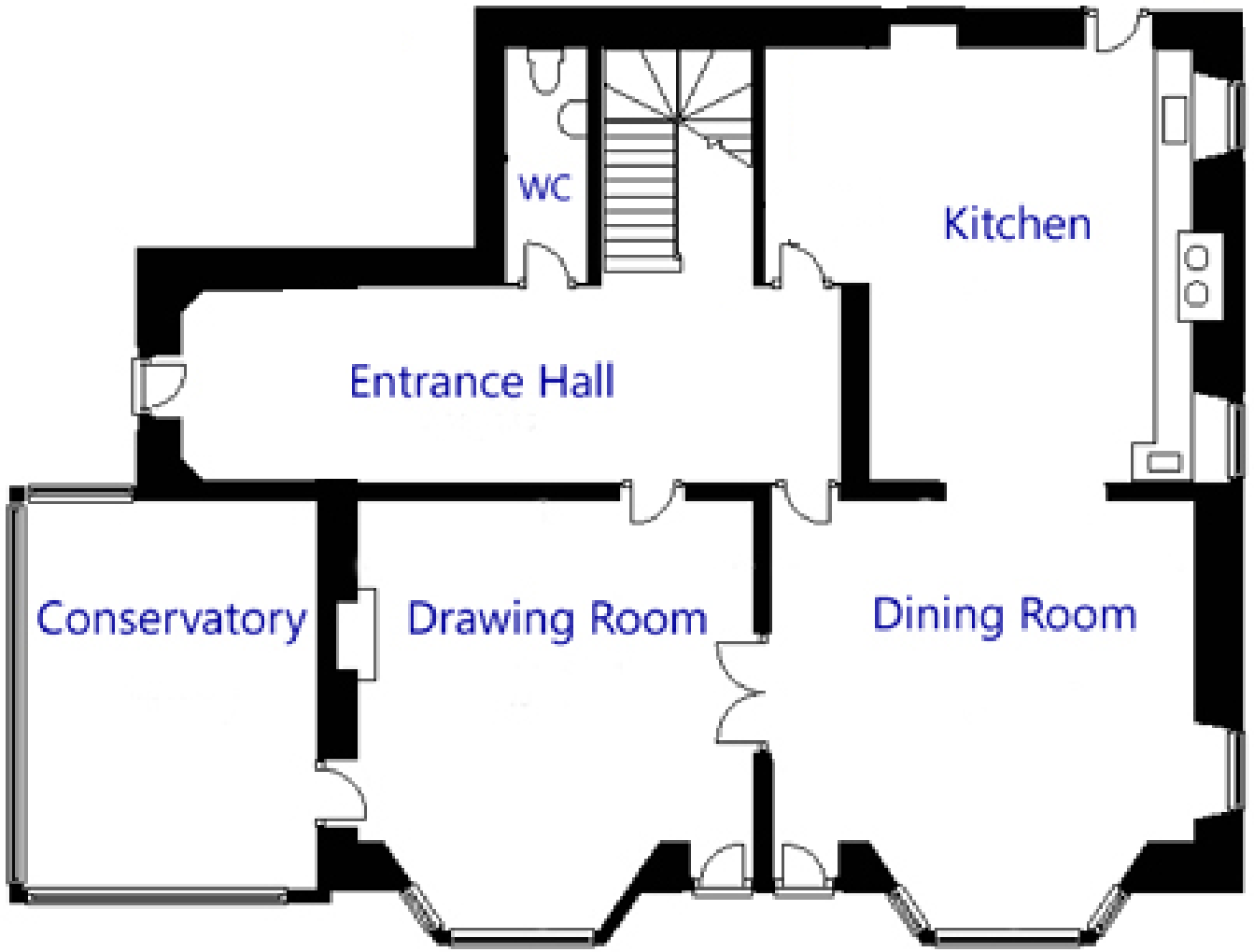
```
public void Kitchen ()
{
    System.out.println ("\nYou are in the Kitchen");
    char where = IO.inputChar ("Bathroom (b) or Library(l)? ");
    if (where == 'b')
        Bathroom ();
    else
        Library ();
}
```

…

You are in the bathroom
Kitchen (y/n)? y

You are in the Kitchen
Bathroom (b) or Library(l)? l




WC
Kitchen
Entrance Hall
Conservatory
Drawing Room
Dining Room