

**Welcome you all**

# **JAVA PROGRAMMING**

**DAY : 5**



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## Day 6

- ❑ Final Variable
- ❑ Final Method
- ❑ Final Class

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# Final Keyword In Java

The **final keyword** in java is used to restrict the user. The java final keyword can be used in many context. Final can be:

1. variable
2. method
3. class

## 1) Java final variable

If you make any variable as final, you cannot change the value of final variable(It will be constant).

```
class Bike9{  
    final int speedlimit=90;//final variable  
    void run(){  
        speedlimit=400;  
    }  
    public static void main(String args[]){  
        Bike9 obj=new Bike9();  
        obj.run();  
    }  
} //end of class
```

Output:Compile Time Error

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## 2. Java final method

If you make any method as final, you cannot override it.

Example of final method

```
class Bike{  
    final void run(){System.out.println("running");}  
}
```

```
class Honda extends Bike{  
    void run()  
{System.out.println("running safely with 100kmph");}
```

```
    public static void main(String args[]){  
        Honda honda= new Honda();  
        honda.run();  
    }  
}
```

Output:Compile Time Error

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### 3) Java final class

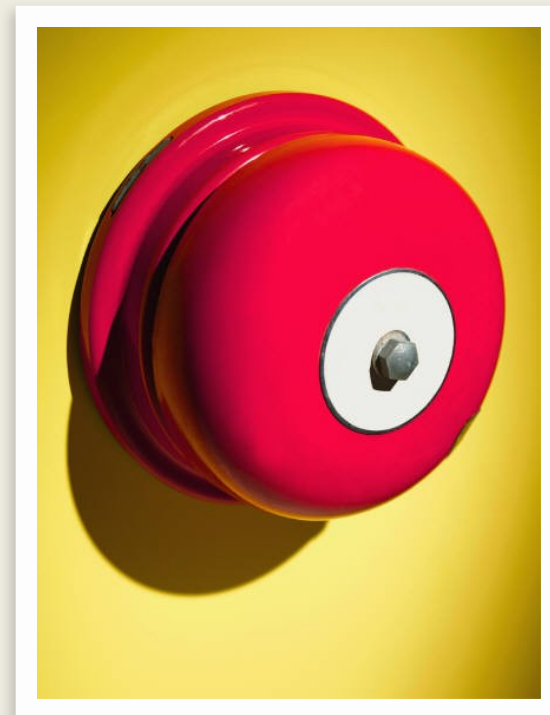
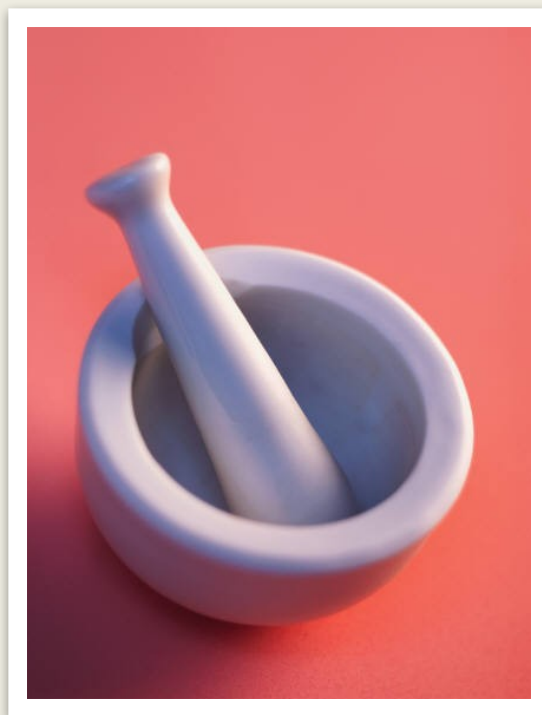
If you make any class as final, you cannot extend it.

Example of final class

```
final class Bike{}  
    class Honda1 extends Bike{  
        void run()  
        {System.out.println("running safely with 100km  
ph");}
```

```
    public static void main(String args[]){  
        Honda1 honda= new Honda1();  
        honda.run();  
    }  
}
```

Output:Compile Time Error



**Thank  
You**