

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;
    void run()
    {
        speedlimit=400;
    }
    public static void main(String args[])
    {
        Bike9 obj=new Bike9();
        obj.run();
    }
}
```

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();
    }
}
```

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 100kmph");
    }

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

Q) Is final method inherited?

Ans) Yes, final method is inherited but you cannot override it. For Example:

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

```
}  
}  
class Honda2 extends Bike  
{  
    public static void main(String args[])  
    {  
        new Honda2().run();  
    }  
}
```