Final Keyword In Java

The keyword Final is a **non-access modifier** (introduced in Java version 7 with additional functionalities including the final keyword), which illustrates that **the entity cannot be modified twice.**

That means **we cannot change/modify the value of the variable, override method, and inherit class** if they are declared with the final keyword.

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

The final keyword can be applied with the variables, a final variable that have no value it is called blank final variable or uninitialized final variable. It can be initialized in the constructor only. The blank final variable can be static also which will be initialized in the static block only.

Java final variable

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

```
class Demo{
  final int a=120;
  void getData(){
```

```
   a=220;
  }
 public static void main(String args[]){
 Demo obj=new Demo();
 obj.getData();
  }
 }
```

Java final method

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

```
class Parent{
   final void demo(){System.out.println("This is from Parent");}
}

class Child extends Parent{
   void demo(){System.out.println("This is from Child");}

   public static void main(String args[]){
   Child obj= new Child ();
   obj.demo();
   }
}
```

Java final class

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

```
final class Parent{
 void demo(){System.out.println("This is from Parent");}
 }

class Child extends Parent{
   void demo(){System.out.println("This is from Child");}

   public static void main(String args[]){
   Child Obj= new Child();
   Obj.demo();
   }
}
```

Can we have a uninitialized final variable ?

What is a blank final variable ?

What is the use of a blank final variable ?

what is Static blank final variable?

What is effectively final in Java?

Can we make the local variable be final?

Different Ways of initialization of final variable ?

Can a final method be inherited ?

Can a main() method be declared final?

Can we declare constructor as final?

Can final method be overloaded in Java?

Can we create object for final class?

Can we declare an interface as final?

Can Final Variable be serialized in Java?

What will happen if you add final to a List / ArrayList?

main difference between abstract methods and final methods?

difference between abstract class and final class?

Can we make an abstract method final in Java?

difference between static and final