

Java Concept 54

- Final methods **can not** be **overridden** but **private final** method **can be overridden**

```
1 //Error
2 class Parent
3 {
4     final void fun()
5     {...}
6 }
7
8 class Child extends Parent
9 {
10    void fun()
11    {...}
12 }
```

```
1 //No Error
2 class Parent
3 {
4     private final void fun()
5     {...}
6 }
7
8 class Child extends Parent
9 {
10    void fun()
11    {...}
12 }
```

```
1 //Overriding non private final method // Error
2 class Parent
3 {
4     //default final method
5     final void getInfo()
6     {
7         System.out.println(C.P+"Private Parent final"+C.RE);
8     }
9 }
10
11 class Child extends Parent
12 {
13     final void getInfo()
14     {
15         System.out.println(C.G+"Default Child final"+C.RE);
16     }
17 }
18
19 public class JavaConcept
20 {
21     public static void main(String args[])
22     {
23         Child obj = new Child();
24         obj.getInfo();
25     }
26 }
```

Error- class javaconcept.Child overrides final method getInfo

```
1 //Overriding private final method //No Error
2 class Parent
3 {
4     //private final method
5     private final void getInfo()
6     {
7         System.out.println("Private Parent final");
8     }
9
10 }
11
12 class Child extends Parent
13 {
14     final void getInfo()
15     {
16         System.out.println("Default Child final");
17     }
18 }
19 public class JavaConcept
20 {
21     public static void main(String args[])
22     {
23         Child obj = new Child();
24         obj.getInfo();
25     }
26 }
```

run:

Default Child final