

final : →

- final keyword can be applied to variable, method and class
- final members are not changed.
- The final variable that is declared as final and not initialized is called a blank final variable. constructor will be used to initialize blank final variable.
- classes that are declared as final can't be ~~changed~~ extended, Restricting inheritance.
- method that are declared as final can't be overridden
- constructor can't be final
- Block can't be final
- final method are gets inherited but not overridden.
- static blank final variable must be initialized inside static initialization block (SIB).
- final parameter; if you declare any parameter as final, you can't change the value of it.
- abstract and final are not allowed at a time.
- final method's can be overloaded.
- local variable can be final and must be initialized always.
- Every method inside final class by default final. But variables need to be final.

final class → can't be extended

final method → can't be overridden in the subclass

final variable → can't be change its value once it is initialized.

```
public class FinalEx {
```

```
    final int a=10;
```

```
    static final int b=20;
```

```
    void method1()
```

```
    {  
        a=70; X // can't not changed compile time Error  
        b=35; X
```

```
    }
```

```
    void display()
```

```
    {  
        sop(a);  
        sop(b);
```

```
    }
```

```
    psrm (-)
```

```
    {
```

```
        finalEx fe = new FinalEx();
```

```
        fe.method1();
```

```
        fe.display();
```

```
    }
```



```

class FinalMethodEx {
    int a = 70;

    final void method1 ()
    {
        sop (a);
    }
}

```

```

class Subclass Extends FinalMethodEx {

```

```

    @Override
    void method1 () // Can't override CTE
    {
        sop ("i am from subclass");
        sop (a);
    }

```

```

    main ()

```

```

{

```

```

    Subclass sc = new Subclass ();

```

```

    sc.method1 ();

```

```

}

```

```

}

```

final class FinalClassEx {

}

class Subclass extends FinalClassEx { // Not allowed
// compile time
// Err. of
// final class.

}