

Final keyword

final is just like const in c++

⇒ final is can be used in many context in java

④ Use of Final keyword

- ① Final ~~var~~ variable.
- ② Final method.
- ③ Final class.

① Final variable ⇒ these are constants in java

There is not must condition in java that final variable should assign value on declaration that we see in c++

→ In java you can assign value to ~~java~~ final variable only once that can be on declaration or first value assignment.

Ex class Hell?

final int MIN = 100; // assigning value while declaration

final double PI;

final ~~int~~ long MAX;

Java always assign final variable with all capital variable name (not necessity)

static {

PI = 3.14;

}

my () {

MAX = 10;

}

}

final variable can directly initialised or with static block or with constructor of class

If you try to modify final variable you will fall into error

Java # final methods

the method which assigned with keyword final so such function can't be able to override

```
class super {  
    final void meth1() {  
        blah blah;  
    }  
}
```

final method can't be able override as keyword which restrict a function such it can't be overriden

error →

```
class subclass {  
    void meth1() {  
        blah blah;  
    }  
}
```

⇒ the functions inside interface or abstract functions don't have final hence they don't have body and they can be override only once by a class.

⇒

Final class

String is a final class + it is immutable

→ the keyword final avoid a class to use as parent in inheritance

final class super {

——||——

}

⇒ instantiating a final class is not possible in

Java.

⊙ final variable

→ cannot be re-initialised

⊙ final methods

⇒ avoid method overriding

⊙ final class

→ cannot be able to use as parent for inheritance

Interface can't be final