final keyword

Whenever you declare **final variable** it should be initialized in the same line

in global scope and in local scope it can be done in same line or later. Once a value is assigned you cannot change it

final keyword can be applied for a variable ,method or class

package com.qspiders.pack1;

class Demo65

{

final static int i=10;

final int j=100;

public static void main(String args[])

{

System.out.println(Demo65.i);

Demo65.i=12; // Cannot reinitialize final variable

// Demo65 d=new Demo65();

// System.out.println(d.j);

}

}



package com.qspiders.pack1;

class B

{

final void test1()

{

System.out.println("test1() of class B");

}

}

class C extends B

{

void test1()

{

System.out.println("test1() of class C");

}

}

class Run17

{

public static void main(String args[])

{

C c1=new C();

c1.test1();

}

}

****

**final class -example**

package com.qspiders.pack1;

final class D

{

void test1()

{

System.out.println("test1() of class D");

}

}

class E extends D

{

void test2()

{

System.out.println("test2() of class E");

}

}

class Demo68

{

public static void main(String args[])

{

E e1=new E();

e1.test1();

}

}



Note: final class cannot be inherited or extended

**Interview Question:**

**Diff b/w final ,finally & finalize**

final keyword:

* If a variable is declared as final such variables cannot be modified.
* A method can be declared as final but cannot be overridden in the subclass
* A class can be declared as final. final class cannot be inherited to the subclass
* Constructors cannot be declared as final
* All the variables inside an interface by default is a final
* The final variable should be initialized at the time of declaration itself