Q1. Explain final keyword in java programming?

Ans:

If we want to define some constant then we should go for final variable(we cannot change value of final variable)

If we want to define some methods and we want to not overridden then we should go for final methods

if we want to create our own immutable class then we should go for final class

Final variable: We cannot change value of final variable

class TestFinal{

final int X;

public TestFinal(){

X=20;

}

public void show(){

System.out.println("X : "+X);

}

public static void main(String args[]){

TestFinal t=new TestFinal();

t.X=111;

t.show();

}

}

Final methods:We cannot override final methods

Final class: we cannot inherit final class

Note: we also declare local variable as a final.final variable declared in UPPERCASE

Example:

final class TestFinal{//final class

final int X;//final variable

public TestFinal(){

X=20;

}

public final void show(){

System.out.println("This is Parent class Show : "+X);

}//final methods

}

class Hello extends TestFinal{

public static void main(String args[]){

TestFinal t=new TestFinal();

t.show();

}

}

class TestFinal{//final class

final int X;//final variable

public TestFinal(){

X=20;

}

public final void show(){

System.out.println("This is Parent class Show : "+X);

}//final methods

}

class Hello extends TestFinal{

public static void main(String args[]){

final int b=10;

TestFinal t=new TestFinal();

System.out.println("Final Local Variable : "+b);

t.show();

}

}

class TestFinal{//final class

final int X;//final variable

public TestFinal(){

X=20;

}

}

class Hello extends TestFinal{

public void show(){

System.out.println("This is Parent class Show : "+X);

}

public static void main(String args[]){

final int b=10;

Hello t=new Hello();

System.out.println("Final Local Variable : "+b);

t.show();

}

}







