INHERITANCE

1.

class Parent{

void parentmethod()

{

System.**out**.println("Parent");

}

void print()

{

System.**out**.println("From Parent Class");

}

}

class Child extends Parent{

void childmethod()

{

System.**out**.println("Child");

}

void print()

{

System.**out**.println("From Child Class");

}

}

public class Demo1 {

public static void main(String args[])

{

Parent ob=new Parent();

ob.print();

Child ob1=new Child();

ob1.print();

Parent ob2=new Child(); // Upcasting

ob2.print();

ob2.parentmethod();

// ob2.childmethod(); // not possible because there is no reference for child class

Child ob3=(Child) ob2; // Downcasting

ob3.childmethod();

ob3.parentmethod();

}

}

2.

class A{

void show()

{

System.**out**.println("Base Class A");

}

}

class B extends A{

void show()

{

System.**out**.println("Class B");

}

}

public class Demo4 {

public static void main(String args[]) {

new A() { // class ------- extends A

void show()

{

System.**out**.println("Derived Class A");

}

}.show();

new B() {

void show()

{

System.**out**.println("Derived Class B");

}

}.show();

}

}

3.

class A1{

public A1() {

System.**out**.println("A");

}

}

class B1 extends A1{

public B1() {

System.**out**.println("B");

}

}

class C1 extends B1{

public C1() {

System.**out**.println("C");

}

}

public class Demo9 {

public static void main(String args[]) {

@SuppressWarnings("unused")

C1 c=new C1();

}

}