**package** calculation;

**class** A{

**void** methodA() {

System.***out***.println("method of class A");

}

}

**class** B **extends** A{

**void** methodB(){

System.***out***.println("method of class B");

}

**class** C **extends** A{

**void** methodC() {

System.***out***.println("method of class C");

}

}

**class** D **extends** A{

**void** methodD() {

System.***out***.println("method of class D");

}

}

**class** HierarchicalTest {

**public** **void** main(String[] args) {

B ob1=**new** B();

C ob2=**new** C();

D ob3=**new** D();

ob1.methodB();

ob1.methodA();

ob2.methodC();

ob2.methodA();

ob3.methodD();

ob3.methodA();

}

}

}