Is it possible to override when base class is private and sub class is public?

**package** practice;

**public** **class** Employee {

**private** **void** work()

{

System.***out***.println("working time 9-6");

}

}

**package** practice;

**public** **class** Admin **extends** Employee {

**public** **void** work()

{

System.***out***.println("working time from 10-4");

}

}

**package** practice;

**public** **class** Testemployee {

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

{

Admin adminobj=**new** Admin();

adminobj.work();

}

}

Output::(yes)

Working time from 10-4

Write Tv and dvd as sub classes and implement inheritance and overriding?

**package** practice1;

**public** **class** ElectronicDevice {

**public** **void** onmode()

{

System.***out***.println("device is on");

}

**public** **void** offmode()

{

System.***out***.println("device is in off mode");

}

}

**package** practice1;

**public** **class** Tv **extends** ElectronicDevice{

**public** **void** pausemode()

{

System.***out***.println("tv is in pause mode");

}

**public** **void** onmode()

{

System.***out***.println("tv is in on mode");

}

}

**package** practice1;

**public** **class** Dvd **extends** ElectronicDevice {

**public** **void** insertdisk()

{

System.***out***.println("please insert disk");

}

}

**package** practice1;

**public** **class** TestDevice {

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

{

Dvd dvdobj=**new** Dvd();

dvdobj.onmode();-----------inheritance

dvdobj.insertdisk();

Tv tvobj=**new** Tv();

tvobj.onmode();-------------overriding

tvobj.pausemode();

}

}

Output:

device is on

please insert disk

tv is in on mode

tv is in pause mode

student as base class and dascholar,residential as subclasses implement inheritance and overriding?

**package** practice1;

**public** **class** Students{

**public** **void** subjects()

{

System.***out***.println("6 subjects");

}

**public** **void** feeamount()

{

System.***out***.println("20000");

}

}

**package** practice1;

**public** **class** Residential **extends** Students{

**public** **void** studytime()

{

System.***out***.println("5 hrs");

}

**public** **void** feeamount()

{

System.***out***.println("30000");

}

}

**package** practice1;

**public** **class** Dascholar **extends** Students{

**public** **void** studytime()

{

System.***out***.println("2hrs");

}

}

**package** practice1;

**public** **class** Teststudent {

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

{

Residential resobj=**new** Residential();

resobj.feeamount();

resobj.subjects();

}

}

Output:

30000-----overriding

6subjects------inheritance

Employee as base class and having attributes id,name admin and manager as sub classes having attributes no of inventories,cadre,no of subordinates.create object for admin and access data from admin and employee.

**package** practice1;

**public** **class** Employee{

**int** id=876545;

String name="binitha";

}

**package** practice1;

**public** **class** Admin **extends** Employee{

**int** noofinventories=3;

String cadre="chennai";

}

**package** practice1;

**public** **class** Manager **extends** Employee{

**int** noofsubordinates=20;

}

**package** practice1;

**public** **class** TestEmployee1{

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

{

Admin adminobj=**new** Admin();

System.***out***.println(adminobj.id);

System.***out***.println(adminobj.name);

System.***out***.println(adminobj.noofinventories);

System.***out***.println(adminobj.cadre);

}

}

Output:

876545

binitha

3

Chennai

Is it possible to change constructor as final and private?

**package** practice;

**public** **class** A{

**int** id;

String name;

**final** A(**int** i,String m)

{

id=i;

name=m;

}

}

**package** practice;

**public** **class** B{

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

{

A obj=**new** A(12,"manu");

System.***out***.println(obj.id);

System.***out***.println(obj.name);

}

}

Ouput:

Error---Exception in thread "main" java.lang.Error: Unresolved compilation problem:

Illegal modifier for the constructor in type A; only public, protected & private are permitted

**package** practice;

**public** **class** A{

**int** id;

String name;

**private** A(**int** i,String m)

{

id=i;

name=m;

}

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

{

A obj=**new** A(12,"manu");

System.***out***.println(obj.id);

System.***out***.println(obj.name);

}

}

Output:-------constructor creation and object creation in same class

12

Manu

**package** practice;

**public** **class** A{

**int** id;

String name;

**private** A(**int** i,String m)

{

id=i;

name=m;

}

}

**package** practice;

**public** **class** B{

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

{

A obj=**new** A(12,"manu");

System.***out***.println(obj.id);

System.***out***.println(obj.name);

}

}

Output:error-----The constructor A(int, String) is not visible