**Please do not copy paste code in eclipse. Try it yourself with pen and paper !!**

**1) What will be the output of following?**  
  
public class Test {  
  
  
public static void main(String[] args) {  
A a = new A();  
B b = new B();  
System.out.println(a.x);  
System.out.println(a.y);  
System.out.println(b.x);  
System.out.println(b.y);  
  
}  
  
}  
  
class A{  
  
String x="Parent";  
}  
  
class B extends A{  
String y="Child";  
  
}  
  
**2) What will be the output of following?**  
  
public class Test {  
  
  
public static void main(String[] args) {  
A a = new A();  
B b = new B();  
  
a.parentMeth();  
a.childMeth();  
  
b.childMeth();  
a.parentMeth();  
  
}  
  
}  
  
class A{  
  
public void parentMeth(){  
  
}  
}  
  
class B extends A{  
public void childMeth(){  
  
}  
  
}  
  
**3) What will be the output of following?**  
  
class A{  
  
  
}  
  
class B {  
  
}  
  
  
class C extends A,B{  
  
  
}  
  
  
**4) What will be the output of following?**  
interface A{  
  
  
}  
  
interface B {  
  
}  
  
  
class C implements A,B{  
  
  
}  
  
  
**5) What will be the output of following?**  
  
public class Test{  
  
public static void main(String[] a){  
A a1 = new B();  
a1.meth1();  
a1.meth2();  
a1.meth3();  
a1.meth4();  
}  
  
}  
  
interface A{  
public void meth1();  
public void meth2();  
public void meth3();  
}  
  
  
  
class B implements A{  
  
@Override  
public void meth1() {  
System.out.println("meth1");  
  
}  
  
@Override  
public void meth2() {  
System.out.println("meth2");  
  
}  
  
@Override  
public void meth3() {  
System.out.println("meth3");  
  
}  
  
public void meth4() {  
System.out.println("meth4");  
  
}  
  
}