<https://www.tutorialride.com/java-oops-programs/implement-multilevel-inheritance-java.htm>

**Q. Write a program for multilevel inheritance.**  
  
**Answer:**  
  
**Multilevel Inheritance:**  
Inheritance is the property of acquiring the properties of parent class by child class.  
  
In this example, we implement multilevel inheritance. One class can be inherited by a derived class thereby making the derived class the base class for the new class.

public class Animal {

public void eat() {

System.out.println("This animal eats food.");

}

}

public class Mammal extends Animal {

public void walk() {

System.out.println("This mammal walks on land.");

}

}

public class Dog extends Mammal {

public void bark() {

System.out.println("The dog barks.");

}

}

public class MultilevelInheritanceExample {

public static void main(String[] args) {

Dog dog = new Dog();

dog.eat(); // From Animal class

dog.walk(); // From Mammal class

dog.bark(); // From Dog class

}

}

**Output:**

This animal eats food.

This mammal walks on land.

The dog barks.

Account.java

class Account  
{  
        String cust\_name;  
        int acc\_no;  
        Account(String a, int b)  
        {  
                cust\_name=a;  
                acc\_no=b;  
        }  
        void display()  
        {  
                System.out.println ("Customer Name: "+cust\_name);  
                System.out.println ("Account No: "+acc\_no);  
        }  
}  
class Saving\_Acc extends Account  
{  
        int min\_bal,saving\_bal;  
        Saving\_Acc(String a, int b, int c, int d)  
        {  
                super(a,b);  
                min\_bal=c;  
                saving\_bal=d;  
        }  
        void display()  
        {  
                super.display();  
                System.out.println ("Minimum Balance: "+min\_bal);  
                System.out.println ("Saving Balance: "+saving\_bal);  
        }  
}  
class Acct\_Details extends Saving\_Acc  
{  
        int deposits, withdrawals;  
        Acct\_Details(String a, int b, int c, int d, int e, int f)  
        {  
                super(a,b,c,d);  
                deposits=e;  
                withdrawals=f;  
        }  
        void display()  
        {  
                super.display();  
                System.out.println ("Deposit: "+deposits);  
                System.out.println ("Withdrawals: "+withdrawals);  
        }  
}  
class Multilevel  
{  
        public static void main(String args[])  
        {  
                Acct\_Details A = new Acct\_Details("Aditya",17920,1000,5000,500,4000);  
                A.display();  
        }  
}

**Output:**  
  
