**// inheritance example**

**public** **class** Calculator {

**protected** **int** bankBal = 23;

**public** **int** add(**int** i , **int** j) {

**return** i+j;

}

/\*

\* public int add(int i , int j, int k) { return i+j +k; }

\*

\* public int add(int i , int j, int k , int m) { return i+j +k; }

\*

\* public float add(float i , float j, float k , float m) { return i+j +k +m; }

\*/

}

public class AdvanceCalculator extends Calculator {

//method for sub

public int sub(int i , int j) {

return i-j;

}

}

public class VeryAdvanceCalculator extends AdvanceCalculator{

// method for sub

public int mul(int i, int j) {

return i \* j;

}

}

public class VVAdvCalc extends VeryAdvanceCalculator{

public int div(int i, int j) {

return i/j;

}

}

public class CalcDemo {

public static void main(String[] args) {

VVAdvCalc vAdvCalc = new VVAdvCalc();

int result1 = vAdvCalc.add(7, 8);

int result2 = vAdvCalc.sub(8, 5);

int result3 = vAdvCalc.mul(8, 7);

System.out.println("Addition :" + result1);

System.out.println("Sub :" + result2);

System.out.println("Mul :" + result3);

AdvanceCalculator avd = new AdvanceCalculator();

System.out.println(avd.bankBal);

}

}