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**实验代码：**

public class Box

{

int length,with;

public Box(int length,int with)

{

this.length = length;

this.with = with;

}

public int boxArea()

{

return length \* with;

}

}

public class Box1 extends Box

{

int height;

public Box1(int length,int with,int height)

{

super( length, with);

this.height = height;

}

public double boxV()

{

return super.boxArea() \* height;

}

}

import java.util.Scanner;

public class Test

{

public static void main(String[] args)

{

Scanner sc = new Scanner(System.in);

System.out.print("箱子的底长：");

int length = sc.nextInt();

System.out.print("底宽：");

int with = sc.nextInt();

System.out.print("高：");

int height = sc.nextInt();

Box1 box1 = new Box1( length, with,height);

System.out.println("箱子的表面积为：" +box1.boxArea());

System.out.println("箱子的体积为：" + box1.boxV());

if (box1.boxV() >= 5000)

{

System.out.println("箱子太大了，我都扛不动了！");

}

else

{

System.out.println("还好，我还能扛起来");

}

}

}