Exp 2. Demonstrate constructor in java.

1. Create a class called Box. The dimensions of the box should be initialized automatically when an object is created. Also find the volume of two boxes (default constructor).

*class Box{*

*int length;*

*int breadth;*

*int height;*

*Box(){*

*length = 10;*

*breadth = 20;*

*height = 5;*

*}*

*int volume(){*

*return length \* breadth \* height;*

*}*

*}*

*public class DefaultConstructor {*

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

*Box b1 = new Box();*

*System.out.println("Volume of box 1 = "+b1.volume());*

*Box b2 = new Box();*

*System.out.println("Volume of box 2 = "+b2.volume());*

*}*

*}*



1. Create a class called Box. The dimensions of the box should be initialized automatically when an object is created. Also find the volume of two types of box (parameterized constructor).

*class Box1{*

*int length;*

*int breadth;*

*int height;*

*Box1(int length, int breadth, int height){*

*this.length = length;*

*this.breadth = breadth;*

*this.height = height;*

*}*

*int volume(){*

*return length \* breadth \* height;*

*}*

*}*

*public class ParameterizedConstructor {*

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

*Box1 b1 = new Box1(2, 10, 4);*

*System.out.println("Volume of box 1 = "+b1.volume());*

*Box1 b2 = new Box1(4, 6, 9);*

*System.out.println("Volume of box 2 = "+b2.volume());*

*}*

*}*

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