**List of Practice Program in JAVA**

**Program 1**

class Box

{

double width;

double height;

double depth;

}

// This class declares an object of type Box.

class BoxDemo

{

public static void main(String args[])

{

Box mybox = new Box();

double vol;

// assign values to mybox's instance variables

mybox.width = 10;

mybox.height = 20;

mybox.depth = 15;

// compute volume of box

vol = mybox.width \* mybox.height \* mybox.depth;

System.out.println("Volume is " + vol);

}

}

**Program 2**

// This program declares two Box objects.

class Box

{

double width;

double height;

double depth;

}

class BoxDemo2

{

public static void main(String args[])

{

Box mybox1 = new Box();

Box mybox2 = new Box();

double vol;

// assign values to mybox1's instance variables

mybox1.width = 10;

mybox1.height = 20;

mybox1.depth = 15;

/\* assign different values to mybox2's instance variables \*/

mybox2.width = 3;

mybox2.height = 6;

mybox2.depth = 9;

// compute volume of first box

vol = mybox1.width \* mybox1.height \* mybox1.depth;

System.out.println("Volume is " + vol);

// compute volume of second box

vol = mybox2.width \* mybox2.height \* mybox2.depth;

System.out.println("Volume is " + vol);

}

}

**Program 3**

// This program includes a method inside the box class.

class Box

{

double width;

double height;

double depth;

// display volume of a box

void volume()

{

System.out.print("Volume is ");

System.out.println(width \* height \* depth);

}

}

class BoxDemo3

{

public static void main(String args[])

{

Box mybox1 = new Box();

Box mybox2 = new Box();

// assign values to mybox1's instance variables

mybox1.width = 10;

mybox1.height = 20;

mybox1.depth = 15;

/\* assign different values to mybox2's instance variables \*/

mybox2.width = 3;

mybox2.height = 6;

mybox2.depth = 9;

// display volume of first box

mybox1.volume();

// display volume of second box

mybox2.volume();

}

}

**Program 4**

// Now, volume() returns the volume of a box.

class Box

{

double width;

double height;

double depth;

// compute and return volume

double volume()

{

return width \* height \* depth;

}

}

class BoxDemo4

{

public static void main(String args[])

{

Box mybox1 = new Box();

Box mybox2 = new Box();

double vol;

// assign values to mybox1's instance variables

mybox1.width = 10;

mybox1.height = 20;

mybox1.depth = 15;

/\* assign different values to mybox2's

instance variables \*/

mybox2.width = 3;

mybox2.height = 6;

mybox2.depth = 9;

// get volume of first box

vol = mybox1.volume();

System.out.println("Volume is " + vol);

// get volume of second box

vol = mybox2.volume();

System.out.println("Volume is " + vol);

}

}