A

Practical File

For

**Java Programming Lab**

**Subject Code**

CSY-208

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CHANDIGARH UNIVERSITY, GHARUAN

Computer Science and Engineering Department

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**Program 1: Program using Constructor**

Create a class Box that uses a parameterized method to initialize the dimensions of a

box. (dimensions are width, height, depth of double type). The class should have a method

that can return volume. Obtain an object and print the corresponding volume in main ()

function.

**package** classdemo;

**class** box{

**int** length;

**int** breadth;

**int** height;

box(){

System.***out***.println("This is default constructor");

length=17;

breadth=13;

height=6;

}

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

System.***out***.println("This is parameterized constructor");

**this**.length=length;

**this**.height=height;

**this**.breadth=breadth;

}

box(box temp){

length=temp.length;

breadth=temp.breadth;

height=temp.height;

}

**int** disvol() {

**return** (length\*breadth\*height);

}

}

**public** **class** demo1 {

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

box b1=**new** box();

box b2=**new** box();

box b3=b1;

box b4=**new** box(23,16,7);

box b5=**new** box(b4);

b1.length=19;

b1.breadth=14;

b1.height=4;

box b6=**new** box(b1);

System.***out***.println("Volume of a box is " + b1.disvol());

System.***out***.println("Volume of a box is " + b2.disvol());

System.***out***.println("Volume of a box is " + b3.disvol());

System.***out***.println("Volume of a box is " + b4.disvol());

System.***out***.println("Volume of a box is " + b5.disvol());

System.***out***.println("Volume of a box is " + b6.disvol());

}

}

**Output: -**

