**CONSTRUCTOR OVERLOADING**

**SOURCE CODE:**

import java.util.\*;

class box

{

int l,b,h,area;

box()

{

l=2;

b=4;

h=5;

}

box(int y,int x,int z)

{

l=y;

b=x;

h=z;

}

box(int c)

{

l=c;

b=c;

h=c;

}

void calvolume()

{

area=l\*b\*h;

System.out.println(area);

}

}

class volume

{

public static void main(String args[])

{

Scanner sc=new Scanner(System.in);

box b= new box();

int choice;

do

{

System.out.println("Enter choice (4 to exit)");

choice =sc.nextInt();

switch( choice)

{

case 1:System.out.print("The default volume is ");

b.calvolume();

break;

case 2:System.out.println("Enter the values of l,b,h");

int n=sc.nextInt();

int m=sc.nextInt();

int o=sc.nextInt();

box b1= new box(m,n,o);

System.out.print("The volume is ");

b1.calvolume();

break;

case 3:int y=sc.nextInt();

box b2=new box(y);

System.out.print("The volume of cube is ");

b2.calvolume();

break;

default:System.out.println("Wrong choice");

}

}while(choice!=4);

}

}

**OUTPUT:**

