**Name: Waghmare Akash Arun**

**Roll no: TE30**

**Subject: FJP**

**Title : Method and constructor overloading.**

**Write a program in JAVA to determine the method and constructor overloading.**

**Code:**

class Box {

double width;

double height;

double depth;

Box(double w, double h,double d)

{

width = w;

height = h;

depth = d;

}

Box()

{

width = 10;

height = 20;

depth = 30;

}

Box (double len)

{

width=height=depth=len;

}

double volume()

{

return width\*height\*depth;

}

}

class OverloadCons

{

public static void main(String[] args) {

Box mybox1=new Box(5,10,15);

Box mybox2=new Box();

Box mycube=new Box(5);

double vol;

vol = mybox1.volume();

System.out.println("Volume of mybox1 is"+vol);

vol = mybox2.volume();

System.out.println("Volume of mybox2 is"+vol);

vol=mycube.volume();

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

}

}

**Output :**

Volume of mybox1 is750.0

Volume of mybox2 is6000.0

Volume of mycube is125.0