Practical Set: 2

Class, object and methods in JAVA

Practical 1:

AIM: Write class Box

a. Define data member l,b,h

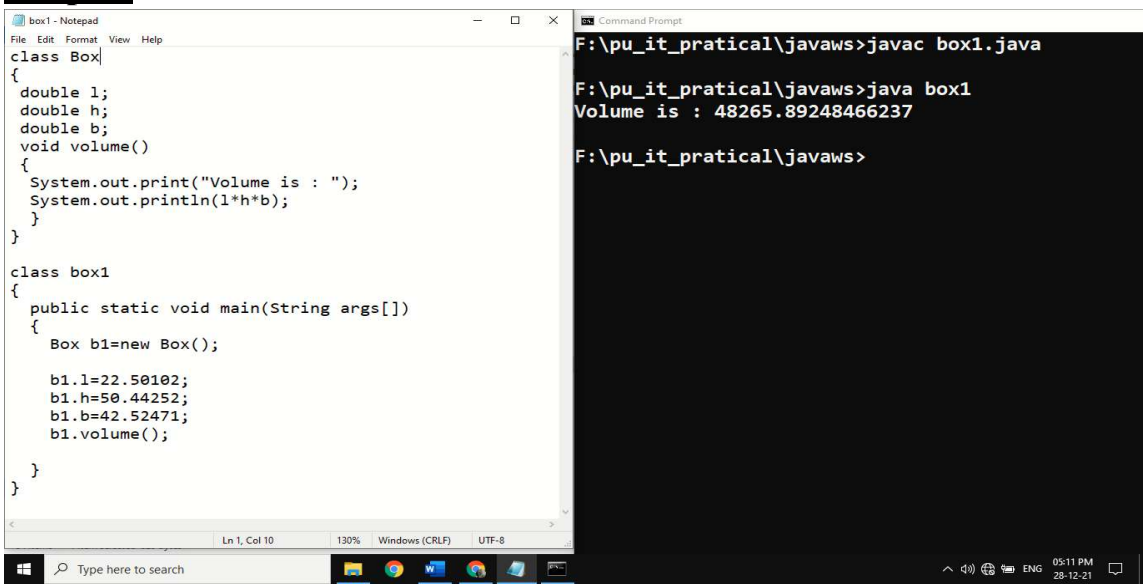
b. Define method to set the data.

c. Define display method to display data member

Code:

```
class Box
{    double l;
     double h;
     double b;
     void volume()
      {   System.out.print("Volume is : ");
          System.out.println(l*h*b);
} }
class box1
{     public static void main(String args[])
        {       Box b1=new Box();
                b1.l=22.50102;
                b1.h=50.44252;
                b1.b=42.52471;
                b1.volume();
} }
```

Output:



Practical 2:

AIM: Write class Box

a. Define data member l,b,h.

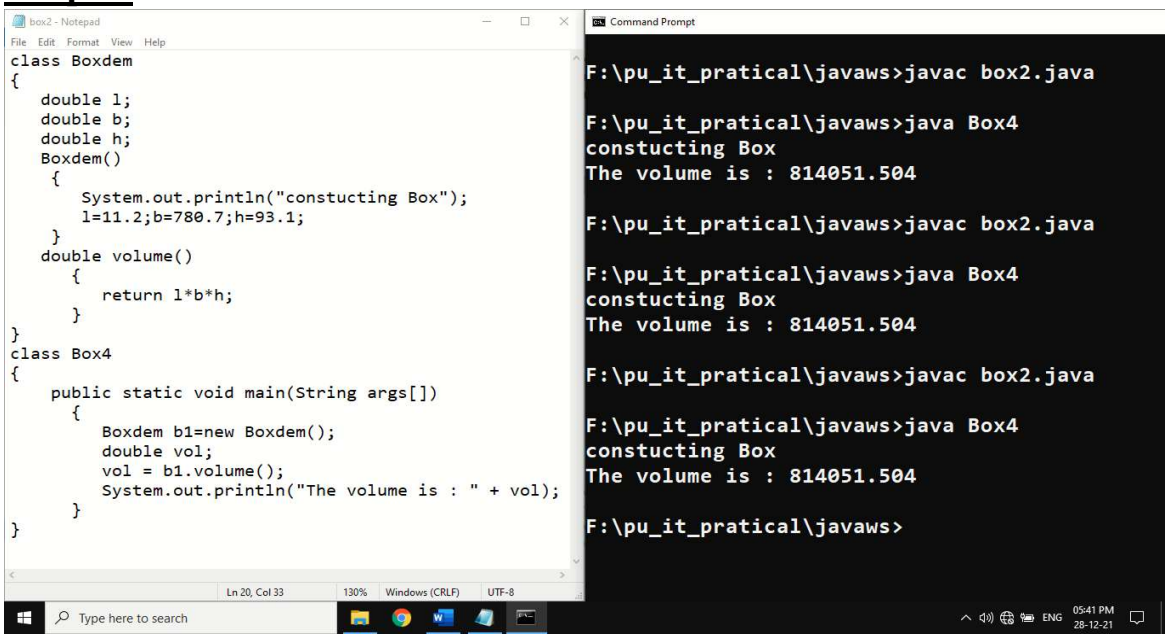
b. Define default and Parameterized constructor to initialize value of data member.

c. Define display method to display data member.

Code:

```
class Boxdem
{  double l;
   double b;
   double h;
   Boxdem()
    {   System.out.println("constucting Box");
        l=11.2;b=780.7;h=93.1;    }
   double volume()
     {   return l*b*h;    }  }
class Box4
{    public static void main(String args[])
     {   Boxdem b1=new Boxdem();
         double vol;
         vol = b1.volume();
         System.out.println("The volume is : " + vol);
}}
```

Output:



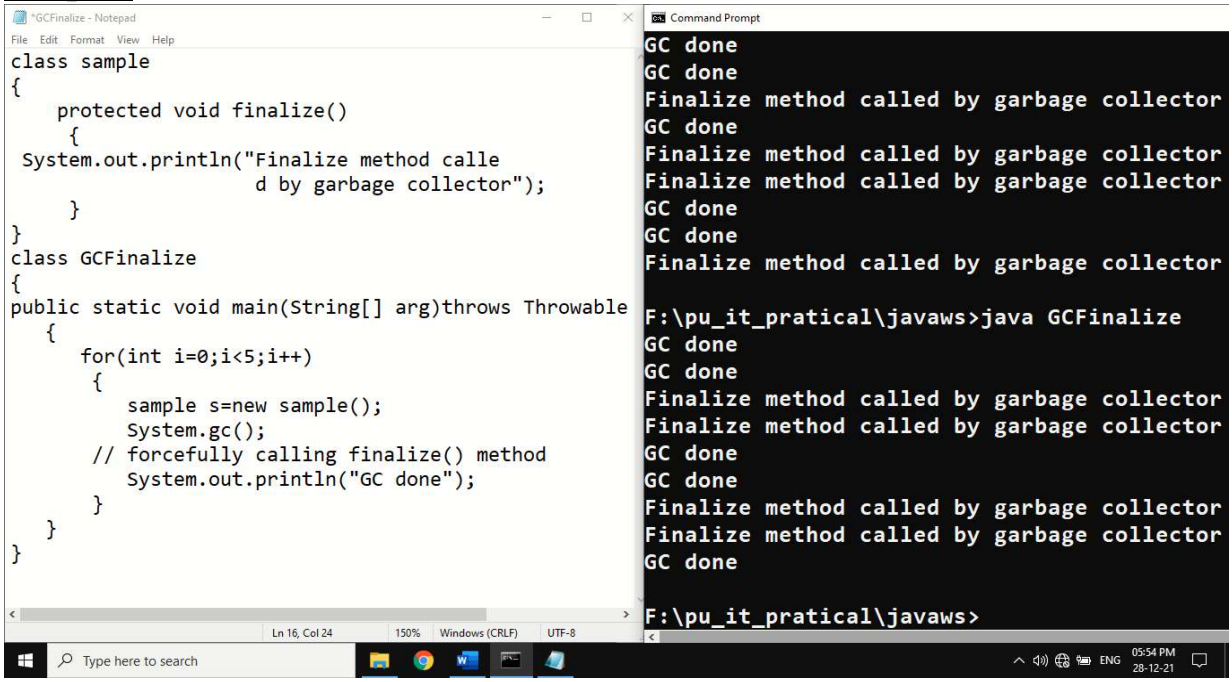
Practical 3:

AIM:Write a java Program for garbage collection.

Code:

```
class sample
{
   protected void finalize()
    {
      System.out.println("Finalize method called by garbage collector");
    }
}
class GCFinalize
{
  public static void main(String[] arg)throws Throwable
   {
     for(int i=0;i<5;i++)
      {
        sample s=new sample();
        System.gc(); // forcefully calling finalize() method
        System.out.println("GC done");
      }
   }
}
```

Output:



Practical 4:

AIM: Write a java program to do sum of command line argument passed two Double numbers.

Code:

```
class sum
{
  public static void main(String args[])
  {
    double sum=0,k;
    for(int i=0;i<args.length;i++)
     {
       k=Double.parseDouble(args[i]);
       sum=sum+k;
     }
   System.out.println("Sum:"+sum);
  }
}
```

Output: