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/*
* Write a class with the name "volume" using method overloading that computes the volume of a cube, a sphere and a cuboid
* Volume of a cube (VC) = a * a * a
* Volume of a cube (VS) = 4/3 * p * r^3
* Volume of a cube (VCd) = l * b * h
*/

class volume {
   int Volume(int a) {
      int volumeOfCube = a * a * a;
      return volumeOfCube;
   }
   double Volume(double r) {
      double volumeOfSphere = 4 / 3 * 3.14 * Math.pow(r, 3);
      return volumeOfSphere;
   }
   int Volume(int l, int b, int h) {
      int volumeOfCuboid = l * b * h;
```

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 return volumeOfCuboid;
   }


   public static void main(String[] args) {
      int side = 5;
      double radius = 6.45;
      int length = 12;
      int breadth = 5;
      int height = 8;
      volume obj = new volume();
      int VC = obj.Volume(side);
      double VS = obj.Volume(radius);
      int VCd = obj.Volume(length, breadth, height);
      System.out.println("The volume of the cube is " + VC + " cm
cube");
       System.out.println("The volume of the sphere is " + VS + " cm
cube");
      System.out.println("The volume of the cuboid is " + VCd + " cm
cube");
   }
}
```

Output:

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