**Object Oriented Programming**

**Tutorial 04**

1. **GeomestrictObject.java**
2. **package** iit.tutorial4.sachintha;  
     
   **public abstract class** GeometricObject {  
    **protected boolean filled**;  
    **protected** String **color**;  
     
     
    **public** GeometricObject() {  
    }  
     
    **public** GeometricObject(**boolean** filled, String color) {  
    **this**.**filled** = filled;  
    **this**.**color** = color;  
    }  
     
    **public boolean** isFilled() {  
    **return filled**;  
    }  
     
    **public void** setFilled(**boolean** filled) {  
    **this**.**filled** = filled;  
    }  
     
    **public** String getColor() {  
    **return color**;  
    }  
     
    **public void** setColor(String color) {  
    **this**.**color** = color;  
    }  
     
    **public abstract double** getArea();  
    **public abstract double** getPerimeter();  
    **public abstract** String getShape();  
     
    @Override  
    **public** String toString() {  
    **return "iit.tutorial4.sachintha.GeometricObject{"** +  
    **"filled="** + **filled** +  
    **", color='"** + **color** + **'\''** +  
    **'}'**;  
    }  
   }