

```
class GravityCalculator {  
    public static void main(String[] arguments) {  
        double gravity = -9.81; // Earth's gravity in m/s^2  
        double initialVelocity = 0.0;  
        double fallingTime = 10.0;  
        double initialPosition = 0.0;  
        double finalPosition = 0.0;  
        System.out.println("The object's position after " + fallingTime +  
            " seconds is " + finalPosition + " m.");  
    }  
}
```