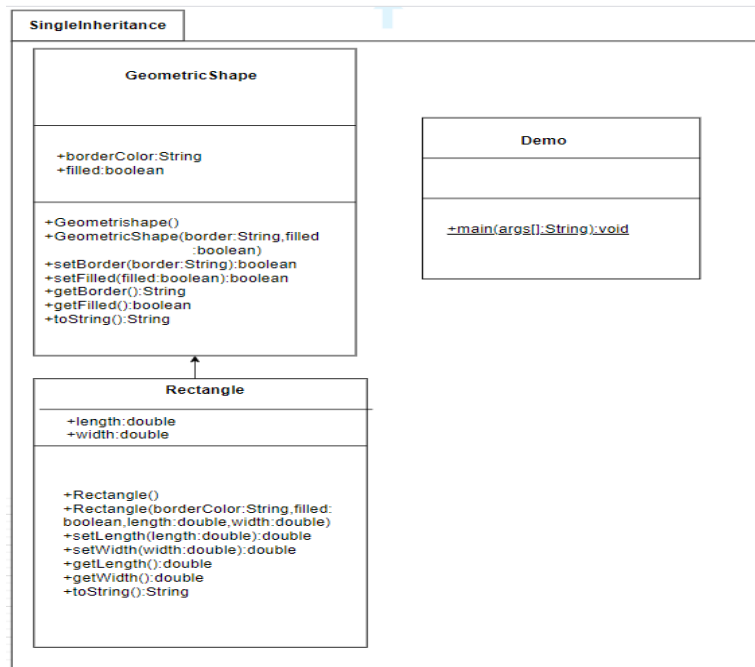


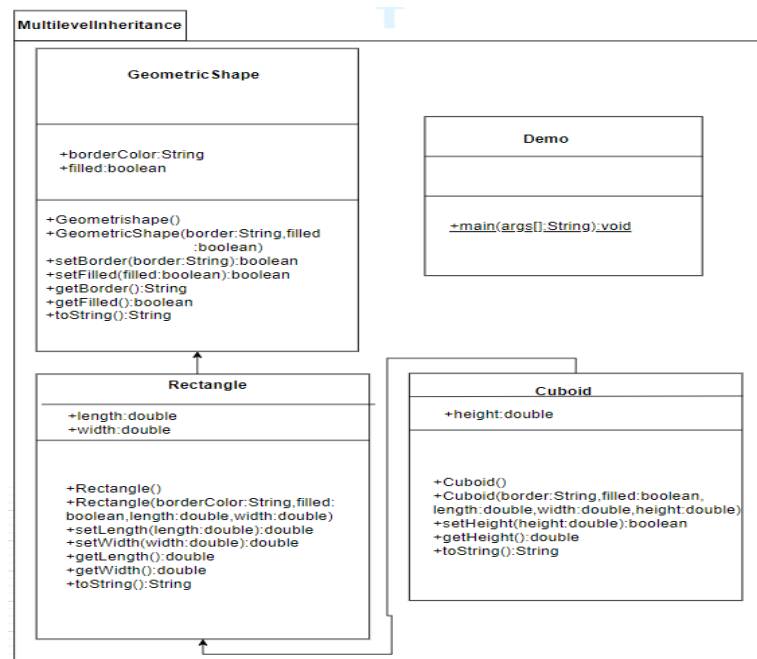
## Lab – 6

### 1. Simple/Single Inheritance :



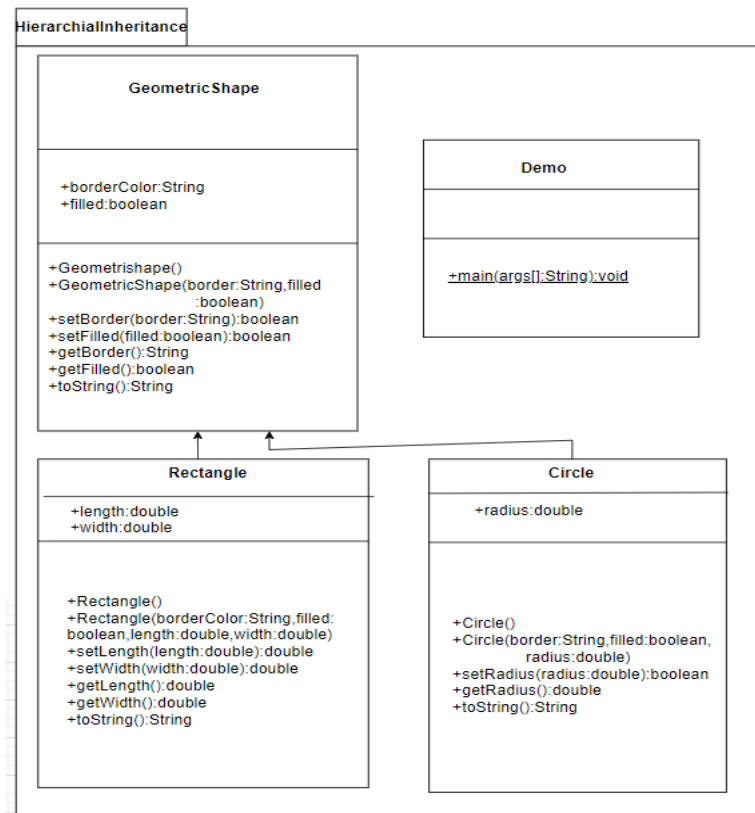
Create a class **GeometricShape** with attributes `borderColor` (String), `filled` (Boolean type). This is inherited by **Rectangle** Class with `length` and `width` as attributes. Add mutators, accessors and `toString()` methods.

### 2. Multilevel Inheritance :



Enhance the above design where **Cuboid** class with `height` field inherits the **Rectangle** class.

### 3. Hierarchy Inheritance :



Enhance the design of Simple Inheritance where Circle class with radius field also inherits from GeometricShape.