**class** TrafficLight  
{

**public function** \_\_construct($code)  
 {

}

**public function** switchOn($color)  
 {

}

**public function** switchOff($color)  
 {

}

**public function** deactivateTrafficLight()  
 {

}

**public function** activateTrafficLight()  
 {

}

**public function** getCode()  
 {

}  
  
 **public function** showLightStatus()  
 {

}

**private function** isValidColor($color)  
 {

}

**private function** switchAllLightsOff()  
 {

}  
  
}