# Throwing Exceptions

The throw keyword

public class Clock {  
  
 private int hours; // 1-12  
 private int minutes; // 0-59  
 private int seconds; // 0-59  
  
 public Clock(int hours, int minutes, int seconds) {  
  
 if (hours < 1 || hours > 12) {  
 throw new IllegalArgumentException("Hours must be between 1 and 12");  
 }  
 if (minutes < 0 || minutes > 59) {  
 throw new IllegalArgumentException("Minutes must be between 0 and 59");  
 }  
 if (seconds < 0 || seconds > 59) {  
 throw new IllegalArgumentException("Seconds must be between 0 and 59");  
 }  
   
 this.hours = hours;  
 this.minutes = minutes;  
 this.seconds = seconds;  
   
 }  
   
 public Clock(int hours, minutes) {  
 this(hours, minutes, 0);  
 }  
  
 public Clock(int hours) {  
 this(hours, 0, 0);  
 }  
  
  
}

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