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ColorHSB data type

▼ **Is HSB format the same as HSV and HSL?**

HSB (hue–saturation–brightness) and HSV (hue–saturation–value) formats are the same, but they are different from HSL (hue–saturation–lightness) format.

▼ **Can the name of a color contain whitespace?**

No. To simplify parsing, you can assume that the color names do not contain whitespace.

▼ **How do I throw an `IllegalArgumentException`?**

Use code like the following

```
throw new IllegalArgumentException("the hue must be between 0 and 359");
```

Clock data type

▼ **How can I implement the `toc()` method efficiently when Δ is large?**

Use the remainder (%) operator.

▼ **How do I validate and parse the string argument in the one-argument constructor?**

Use various `String` library functions (such as `substring()` and `length()`) and `Integer.parseInt()`. Note that `Integer.parseInt()` ignores any leading zeros. For example, `Integer.parseInt("09")` returns the integer 9.

▼ **Does Java have built-in data types for times and dates?**

Yes. See [LocalTime](#) ☕, [LocalDate](#) ☕, and [LocalDateTime](#) ☕. Of course, you should implement the `Clock` data type from scratch.