Clocks

SystemClock and FixedClock, the PSR-20 clocks of the package

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Clocks

```
use Derafu\Date\Service\FixedClock;
use Derafu\Date\Service\SystemClock;
```

Nothing in the package reads the current time by itself. What depends on “now” (`Month::current()`, the age, the days until today, `formatElapsed()`) takes a `Psr\Clock\ClockInterface`, and uses `SystemClock` if it is not given one.

Class	What it gives
`SystemClock`	The current moment.
`FixedClock`	Always the same moment, given as a date or as a text.

```
$clock = new FixedClock('2024-01-15 12:00:00');

Month::current($clock);                              // 2024-01
DateCalculator::age('2004-01-16', $clock);           // 19
(new DateFormatter($clock))->formatElapsed('2024-01-15 11:45:00');   // 15 minutes ago
```

A `FixedClock` is for tests and for calculations that must be made as of a date. Any other PSR-20 clock works in their place.

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