

# PHP Enums in details

## Singletons

```
final class Singleton
{
    private static ?self $instance = null;

    private function __construct() {}

    public static function create(): self
    {
        return self::$instance ??= new self();
    }
}

$foo = Singleton::create();
$bar = Singleton::create();
var_dump($bar === $foo); // true
```

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## Support methods

```
/**
 * Backed Enums – Integers or strings allowed.
 */
enum Status: string implements HasColor
{
    case DRAFT = 'draft';
    case PUBLISHED = 'published';
    case ARCHIVED = 'archived';

    public function color(): string
    {
        return match ($this) {
            self::DRAFT => 'grey',
            self::PUBLISHED => 'black',
            self::ARCHIVED => 'red',
        };
    }
}

$status = Status::ARCHIVED;
var_dump($status->color()); //string(3) "red"
```