```
## What is `withCount()` in Laravel?
`withCount()` is a Laravel method used to count related records and
include the count as a column in the guery result.
### Basic Usage
""php
Post::withCount('reviews')->get();
This adds a 'reviews_count' column to each 'Post' instance, showing
how many related 'reviews' exist.
## Passing Relationships as an Array in `withCount()`
It is possible to pass relationships as an array inside 'withCount()'.
This allows applying conditions on the counted relationship:
```php
Post::withCount([
 'reviews' => function (Builder $q) {
 $q->where('created at', '>=', '2024-01-01'); // Count only reviews
from 2024 onwards
 }
])->get();
- The **array key** `'reviews'` represents the relationship.
- The **closure** modifies the query, filtering `reviews` by date before
counting them.
```

## Using `withCount()` in a Query Scope

```
A query scope encapsulates query logic inside a model for reuse.
Example: `scopePopular` for Sorting by Review Count
"php
use Illuminate\Database\Eloquent\Builder;
public function scopePopular(Builder $query, $from = null, $to = null):
Builder
{
 return $query->withCount([
 'reviews' => function (Builder $q) use ($from, $to) {
 if ($from && !$to) {
 $q->where('created_at', '>=', $from);
 } elseif (!$from && $to) {
 $q->where('created at', '<=', $to);
 } elseif ($from && $to) {
 $q->whereBetween('created_at', [$from, $to]);
 }
 }
])->orderBy('reviews_count', 'desc');
}
•••
How It Works
- **Counts `reviews`** associated with each model instance.
- **Filters reviews** by creation date (`$from`, `$to`).
- **Orders results** by `reviews count` in descending order (most
reviewed first).
```

## Using the Scope in Queries

```
Fetch Most Popular Posts (All Time)
"php
$popularPosts = Post::popular()->get();
Fetch Most Popular Posts Within a Date Range
```php
$popularPosts = Post::popular('2024-01-01', '2024-02-01')->get();
### Fetch Popular Posts Since a Specific Date
"php
$popularPosts = Post::popular('2024-01-01')->get();
### Fetch Popular Posts Until a Specific Date
"php
$popularPosts = Post::popular(null, '2024-02-01')->get();
## Alternative Approach: Using a Separate Relationship
If you need multiple filtered counts, you can define different
relationships in your model:
```php
public function recentReviews()
{
 return $this->hasMany(Review::class)->where('created at', '>=',
now()->subMonth());
}
```

```
Then, use:
""php
Post::withCount('recentReviews')->get();
```

## **## Conclusion**

Passing relationships as an \*\*array\*\* inside `withCount()` is valid. Allows \*\*modifying count queries\*\* with conditions. Encapsulating logic in a \*\*query scope\*\* makes it reusable. Great for sorting models by related record counts dynamically!