**Eager Loading and lazy loading**

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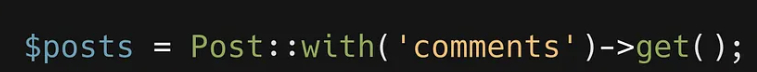
**Eager Loading:**

Eager loading is used to reduce the number of database queries needed to retrieve related data. It allows you to pre-load the corresponding models in a single query.

For example, if you have a Post model with many comments, you can use eager loading to get all the posts and the comments in one query, instead of two queries.

Let’s see an example:

This will get all posts and all the comments related to each post in one query.

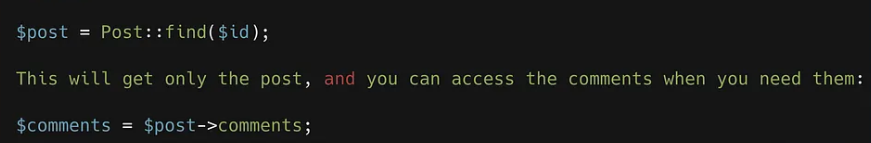
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# Lazy Loading:

Lazy loading is the opposite of eager loading. It is used to defer loading related models until they are actually needed. It loads related models only when they are accessed by the application.

For example, if you have a Post model with many comments, you can use lazy loading to get only the post and defer loading the comments until they are actually needed.

Let’s see an example:

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