Chapter 3: Indexes

Homework: Wildcard Index

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Correct Option

```
db.authors.find(
    { "books.genre": { "$in": [ "Fantasy", "Science Fiction" ] } }
)
```
COPY

This query will use the index, since we created a wildcard index on all fields within the **books** sub-document except for `page_count`.

Incorrect Options

```
db.authors.find(
    { "books.page_count": { "$gt": 200 } }
)
```
COPY

This query will not use the wildcard index, since we specifically excluded the `books.page_count` field in the wildcard projection argument.

```
db.authors.find(
    { "rating": { "$lt": 3 } }
)
```
COPY

This query will not use the wildcard index, since we created wildcard indexes only on fields within the **books** sub-document. `rating` is not located within the **books** field, so it is not indexed.

Proceed to next section