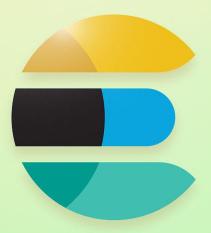
Range searches









Introduction

- The range query is used to perform range searches
- E.g. in_stock >= 1 and in_stock <= 5
- E.g. created >= 2020/01/01 and created <= 2020/01/31



Querying numeric ranges

Products that are almost sold out

SQL equivalent

```
WHERE in_stock >= 1 AND in_stock <= 5
```

Boundaries not included

SQL equivalent

```
WHERE in_stock > 1 AND in_stock < 5
```



Parameters

Parameter	Math symbol	SQL equivalent	Description
gt	>	>	Greater than
gte	2	>=	Greater than or equal to
lt	<	<	Less than
lte	≤	<=	Less than or equal to



Querying dates

Dates without time

Dates with time (timestamps)



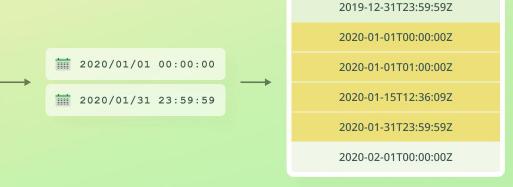
Specifying a date format

Default date format

yyyy/MM/dd HH:mm:ss||yyyy/MM/dd||epoch_millis



Specifying a UTC offset



^{*} Not the actual format in which dates are stored.



Lecture summary

- Use the range query to perform range searches
- Specify one or more of the gt, gte, lt, or lte parameters
- Supports both numbers and dates
- Dates are automatically handled for date fields
 - Specifying the time is optional, but recommended if possible
 - Custom formats are supported through the format parameter
 - Time zones are handled with the time zone parameter (UTC offset)

