BITWISE OPERATOR:

MongoDB provides bitwise query operators that allow you to filter data based on bit positions. Here are the available bitwise operators:

- 1. \$bitsAllClear: Matches documents where all specified bits are clear (i.e., set to 0).\
- 2. \$bitsAllSet: Matches documents where all specified bits are set (i.e., set to 1).
- 3. \$bitsAnyClear: Matches documents where at least one of the specified bits is clear.
- 4. \$bitsAnySet: Matches documents where at least one of the specified bits is set.

GEOSPATIAL QUERY:

A geospatial query involves retrieving information from a database based on geographic locations and spatial relationships.

Name	Description
\$geoIntersects	Selects geometries that intersect with a GeoJSON geometry. The 2dsphere index
	supports \$geoIntersects.
\$geoWithin	Selects geometries within a bounding GeoJSON geometry. The 2dsphere and 2d
	indexes support \$geoWithin.
\$near	Returns geospatial objects in proximity to a point. Requires a geospatial index. The
	2dsphere and 2d indexes support \$near.
\$nearSphere	Returns geospatial objects in proximity to a point on a sphere. Requires a geospatial
	index. The 2dsphere and 2d indexes support \$nearSphere.

Example:

Here are some of the key operators:

- •near: This operator retrieves documents near a specified point. It looksup dataset points close to a given coordinates field.
- •\$geoWithin: Use this operator to select points within a specified shape (e.g., a bounding GeoJSON shape).
- •\$geoIntersects: This operator selects points that intersect a given geometry (supported by the 2dsphere index).
- •\$nearSphere: specifies a point for which a geospatial query returns documents from nearest to farthest.
- **location:** The field in the document that contains the geospatial data.
- **\$geoWithin:** The query operator that specifies the geospatial query.

• \$centerSphere: The specific type of geospatial query, which is a circular area centered at a point on the Earth's surface.					
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