What is query string search in elasticsearch?

A query string search in Elasticsearch is a way to search for text within a specific field or multiple fields in an index. It uses the query string query to parse the search query and return matching results. The query string query supports several advanced features such as wildcard searches, fuzzy matching, and field-specific searches. The query string can be passed as a parameter in the search request URL or as part of the request body. It's one of the simplest query type to use in Elasticsearch.

What is query string search in elasticsearch with example ?

A query string search in Elasticsearch is a way to search for text within a specific field or multiple fields in an index. The query string is passed as a parameter in the search request URL or as part of the request body.

For example, let's say you have an index called "products" with a field called "name" that contains the names of products. To search for all products that have the word "shoe" in the name field, you would use the following query string:

```
Copy code
GET /products/_search?q=name:shoe
```

This query will search for all documents in the "products" index that have the word "shoe" in the "name" field and return the results.

```
GET /products/_search
{
    "query": {
        "query_string": {
            "default_field": "name",
            "query": "shoe"
        }
    }
}
```

This query will search for all documents in the "products" index that have the word "shoe" in the "name" field and return the results.

You can also use wildcard in the query string search

```
Copy code
GET /products/_search?q=name:sh*
```

This query will search for all documents in the "products" index that have the word starting with "sh" in the "name" field and return the results.

You can also combine multiple fields in your search

```
Copy code
GET /products/_search?q=name:shoe%20AND%20description:leather
```

This query will search for all documents in the "products" index that have the word "shoe" in the "name" field and "leather" in the description field and return the results.

```
Copy code
Keep in mind that, this is just a simple example, you can use query
string search with many more options and filters.
```