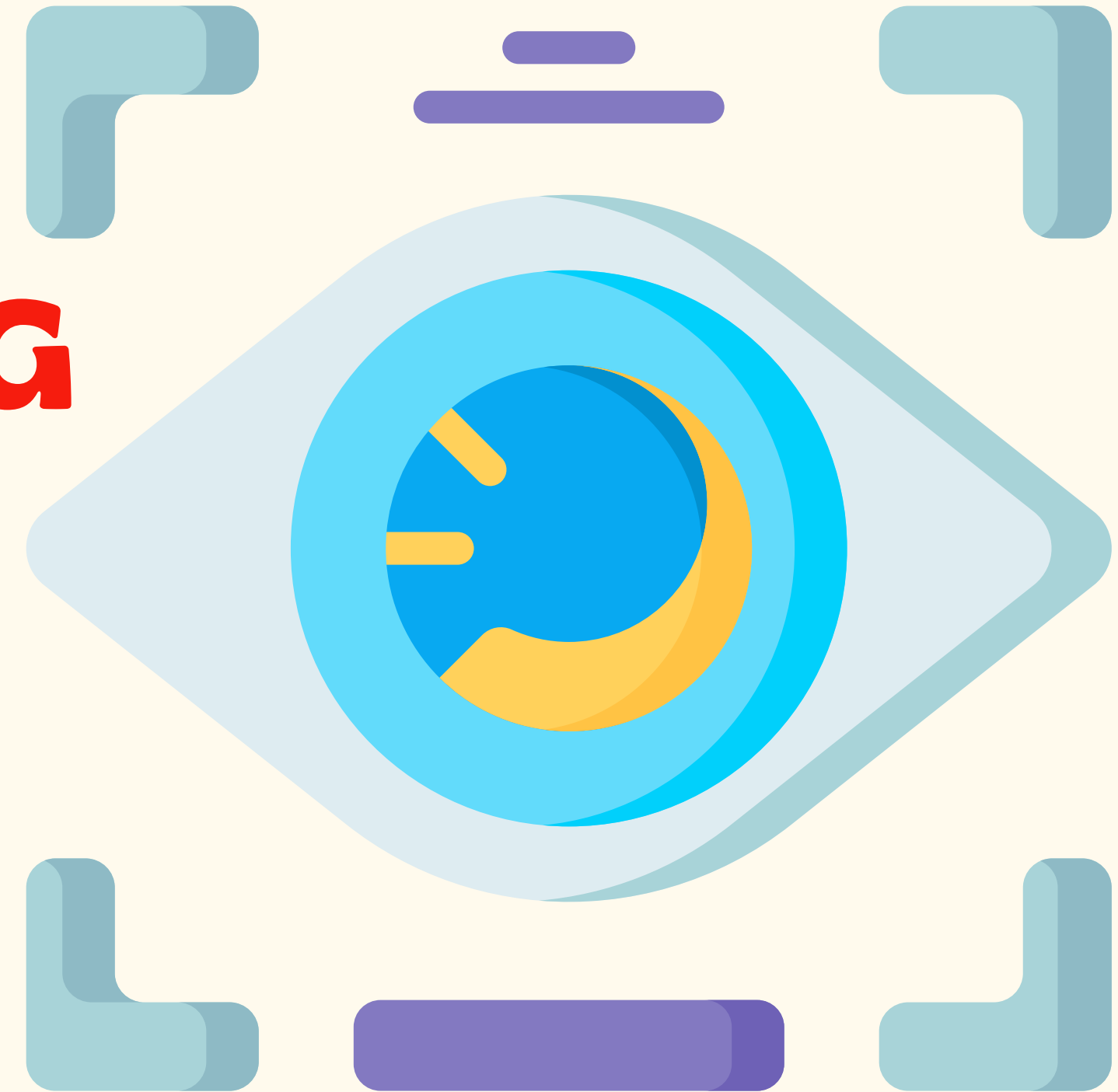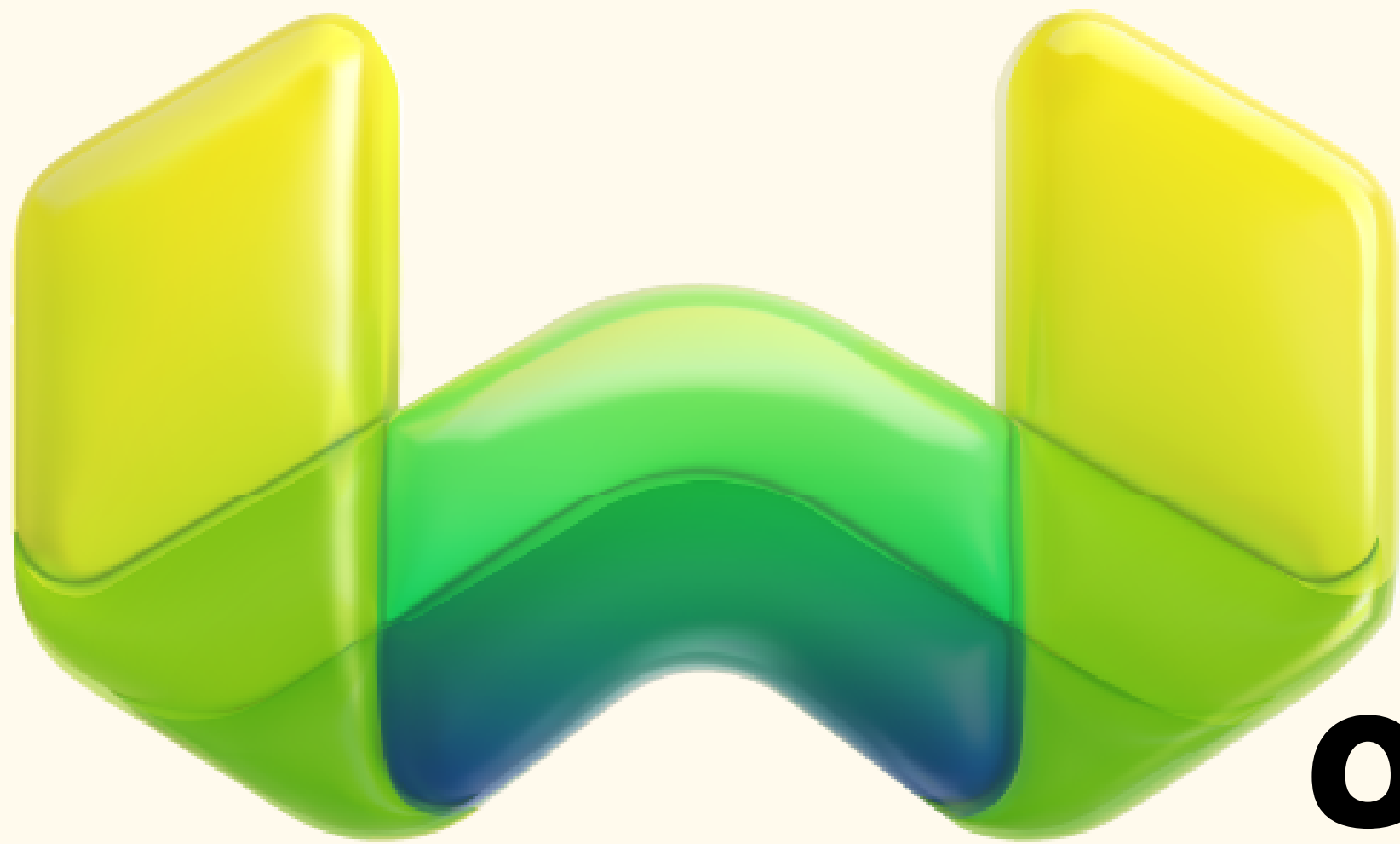# WEAVIATE EXPLAINED: UNDERSTANDING SCHEMA AND QUERYING

OPTIMIZE SCHEMA AND QUERYING FOR IMPROVED RESULTS

CHALLENGE SOLVED : DATA RETRIEVAL

1. WEVIATE SCHEMA CREATION IS SIMILAR TO RDBMS TABLE SCHEMA

2. LOADING THE DATA IS TAKEN CARE ADD_DATA_OBJECT METHOD

3. RETRIEVING DATA IS TAKEN CARE BY QUERY.GET() METHOD

4. TWO WAYS OF EXTRACTION

   A. NEAREST BY TEXT

   B. NEAREST BY VECTORS

5. AGGREGATION AND FILTERING IS ALSO POSSIBLE

WORKFLOW IN WEVIATE

1. PULLING THE DOCKER USING DOCKER COMPOSE AND START THE INSTANCE

2. INITIATE THE CLIENT WITH THE HUGGINGFACE CONFIGS

3. CREATE THE SCHEMA WITH THE CHOSEN CLASS, AND VECTORIZER MODULE

4. LOAD THE DATA, WHICH GETS VECTORIZED AND STORED
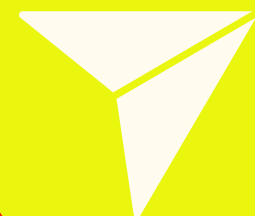
5. DISCUSS THE RETRIEVAL METHODS IN WEVIATE

LETS PRACTICE

- WEVIATE HAS MANY OPTIONS WHEN IT COMES TO DEPLOYMENT, THE CODE WILL USE THE STANDALONE OPTION

- MODULES HAVE A NAMING CONVENTION.BASED ON THE MEDIA, PROVIDER OF THE MODEL NAME CHANGES
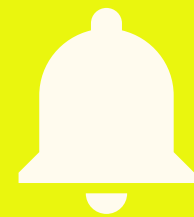
- UNDERSTANDING HOW THE QUERY AND SCHEMA METHOD WORKS IS CRUCIAL

THANKS FOR WATCHING

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