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IRE - Assignment 2

Wikidata

Wikidata is a large knowledge base about everything in the world. It's in the form of a graph with entities as nodes, relations as directed edges and attributes in the form of labels. Wikidata forms the main knowledge base upon which a lot of the wikipedia and wikimedia articles are dependent. It's also usable by external bots or humans via query systems set up by the org.

Sparql

Sparql is a query language. It is used for querying on large databases and is very good at it. Sparql is one of the openings that wikidata provides for using the large amount of information that it has. It's an RDF Query Language. It has been widely accepted as an industry leader and officially recommended by W3C.

My approach

The template based approach that I have taken can be broken into a few steps. Please note that I have worked on creating a page for football teams.

1. Receive the ID for a specific football team.
2. Fit this ID into a handcrafted pre-made SPARQL query for the specific purpose. Note that all the required information is ingrained into a single query.
3. Process the received response to the query and extract all the QIDs. Individually fetch the labels to all the entities, and use hindi labels whenever available, use english otherwise.
4. Use a premade template(made by me) with blanks which are filled by the fetched information. Fill in the blanks appropriately and dish out the result.

[My wikipedia page](#)