

Queries that could be used in my database:

- A query that displays all heroes and information linked with those heroes on one page, plus an extra column showing recommended items for that hero gained from a foreign key from the Items table. This shows the use of the **ORDER_BY** function.
- A query that displays all items and information linked with those items on one page. This also shows the use of the **ORDER_BY** function, also using **DESC** to display the data from highest to lowest.
- A query that takes an entry from the user and searches the database for a matching result. For example the user would enter a letter and the query would return all heroes whose name began with that letter. This shows the use of the **WHERE** and **LIKE** functions.
- A query that returns only 10 heroes, displaying the **LIMIT** function.
- A query to insert the data, showing the **INSERT INTO** function.

Data Dictionary Description

The data I will need to collect will be taken from the Dota 2 video game. For my database I will need to extract information about the heroes (characters from the game) and the items that they use.

→ Heroes

- ♦ The hero name.
- ♦ Their primary trait (Strength, Agility or Intelligence)
- ♦ Their strength, agility and intelligence growth rate.
- ♦ Their movement speed.
- ♦ Their starting armour.
- ♦ Their minimum and maximum damage.
- ♦ Their attack range.
- ♦ Their global win rate.
- ♦ Recommended items for that hero (foreign key from Items table).
- ♦ The hero allegiance (to the Dire or the Radiant).

→ Items

- ♦ The item name.
- ♦ The item type (Weapon, Object, Courier, Boots or Armour)
- ♦ The item cost.
- ♦ The amount of damage the item deals (if applicable).
- ♦ The item's global win rate.
- ♦ The item's global usage.
- ♦ A description of the item.