The knowledge base was created as a dictionary that maps the most important terms to a list of sentences that include those terms. The dictionary was created by looping through every sentence of every text file and appending each sentence to a word's dictionary entry if it contained that word.

I decided to scrape webpages that relate to Formula 1. I started the crawler from the Wikipedia page on the 2022 F1 season. The top 10 most important terms I chose from the resulting pages were: 'verstappen', 'leclerc', 'fia', 'ferrari', 'hamilton', 'red bull', 'mercedes', 'championship', 'grand prix', and 'race'.

As well as pickling the dictionary, I wrote the knowledge base to a text file in a format that is humanreadable. These are some screenshots of that text file:

Sentences with "verstappen":

[3] Red Bull Racing driver Max Verstappen, who was the reigning Drivers' Champion, claimed his secon

[104] From the Australian Grand Prix onwards, the FIA started clamping down on the kinds of tactics safety car restarts at the first two rounds of the championship, the Bahrain and Saudi Arabian Grand a tactical advantage over rival drivers.

Magnussen finished 5th, while the Red Bull cars of Max Verstappen and Sergio Pérez retired late in t

[115] Verstappen won the race after a late overtake on Leclerc.

Pérez's teammate Verstappen was running second before he retired on lap 38 due to fuel leaks causing

[121] Verstappen took pole position for the Emilia Romagna Grand Prix sprint.

Despite Leclerc overtaking him at the start, Verstappen recovered, using DRS to overtake him and win

Verstappen won Sunday's Grand Prix from pole position to achieve the second grand slam of his career

The result promoted Red Bull to second in the Constructors' Championship, and Verstappen to second i collision with Daniel Ricciardo.

Sentences with "mercedes":

[3] Red Bull Racing driver Max Verstappen, who was the reigning Drivers' Champion, claimed his second title witl De Vries also drove for Mercedes and for Aston Martin at the French and Italian Grands Prix, respectively.

[33] Räikkönen's seat at Alfa Romeo was filled by Valtteri Bottas, who left Mercedes at the end of 2021.

He was replaced at Williams by the Mercedes reserve driver 2020-21 Formula E and 2019 Formula 2 Champion Nyck de Haas's Kevin Magnussen had complained of nerve issues, and both of Mercedes's drivers had complained of back pa

[110] Pérez took pole position for the first time at the Saudi Arabian Grand Prix, while Mercedes's Lewis Hamil

[118] Pérez and Mercedes's George Russell took second and third, respectively.

[12] This period featured teams managed by road-car manufacturers Alfa Romeo, Ferrari, Mercedes-Benz, and Maser

5 litres was reinstated to the world championship for 1954, Mercedes-Benz introduced the advanced W196.

Mercedes drivers won the championship for two years, before the team withdrew from all motorsport in the wake or Powered by Porsche, Honda, and Mercedes-Benz, McLaren won sixteen championships (seven constructors' and nine di

Sentences with "championship":

The 2022 FIA Formula One World Championship is a motor racing championship for Formula One cars which is the 73
The championship is contested over twenty-two Grands Prix, which are held around the world, and it is scheduled t
The 2022 championship saw the introduction of significant changes to the sport's technical regulations.

[4] The following constructors and drivers are currently under contract to compete in the 2022 World Championship Red Bull Racing acknowledged that they would have left the championship if the engine development freeze had not unwilling to resume their former partnership.

[22][31][c] Prior to the 2021 Dutch Grand Prix, Kimi Räikkönen announced his intention to retire at the end of th As part of a restructuring of race control, Masi was replaced by former DTM race director Niels Wittich and World [56][57][58] The 2022 World Championship saw an overhaul of the technical regulations.

The introduction of the regulations was delayed until the 2022 championship in response to the COVID-19 pandemic.

[69] Teams have been further restricted in the number of aerodynamic upgrades they can introduce to the car, both [72][73] In 2021 the championship introduced a sliding scale system to regulate aerodynamic testing.

Under this system, the least successful teams in the previous year's World Constructors' Championship standings w

Sample dialog with a potential chatbot utilizing this knowledge base:

Chatbot	Myself
	Do you like formula 1?
Yes, I enjoy watching it a lot.	
	Who is your favorite driver?
My favorite is Max Verstappen.	
	Why is that?
He wins a lot of races, and he's leading the	
championship	
	l like Leclerc
He's good too.	
	What team is Verstappen on?
Red Bull	
	Can you name another team?
There's Mercedes and Ferrari	