

Portfolio: Finding or Building a Corpus - Report

How I created my knowledge base:

I created my knowledge base by searching for the definitions of each of the top ten terms. Then, I picked the meaning that was most closely related to the term and modified it based on my domain knowledge.

```
knowledge_base = {  
  "ball": "a hollow sphere that is kicked by the players in a football game",  
  "soccer": "a game played by two teams of eleven players with a round ball that may not be touched with the hands or arms during play except by the "goalkeepers. The object of the game is to score goals by kicking or heading the ball into the opponents' goal",  
  "england": "an island country in northwestern europe in which modern football was invented",  
  "world": "the earth, together with all of its countries, peoples, and natural features",  
  "cup": "an ornamental trophy in the form of a cup, usually made of gold or silver and having a stem and two handles, awarded as a prize in a competition",  
  "football": "the term used to refer to soccer outside the united states of america",  
  "game": "a period of play of soccer between two teams, ending in a definite result",  
  "players": "the people taking part in a soccer game",  
  "fifa": "a federation that is the governing body for many international soccer tournaments",  
  "nations": "refers to the organized political entities within a set of recognized borders, many of which play soccer with teams consisting of their "citizens against each other"  
}
```

My knowledge base

My 10 terms are: ball, soccer, england, world, cup, football, game, players, FIFA, and nations.

Dialog:

User(U): Hello, what is a nation?

ChatBot(CB): Hello to you too. A nation is an organized political entity within a set of recognized borders.

U: Can nations play each other in soccer?

CB: Yes, they can.

U: Who would organize this match?

CB: Perhaps Fifa.

U: What would the winner get?

CB: Perhaps a cup.

U: Ok. Thank you!

CB: You're welcome