

Homework 6 - Webcrawler

CS4395

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The knowledge base presented is simple. It is simply an aggregation of sentences that contain top terms. Text was tokenized into sentences and the set of sentences was searched for each term. The sentences that contained the term were added to an array containing other sentences with that term, and then that array was added as the value for the term in a dictionary. I have to develop a better way to process quotes that aren't informational or can't be taken at face value. Right now, quotes don't have much flexibility in a chatbot.

The ten terms that were selected are the following:

1. 'Griffith'
2. 'Guts'
3. 'Casca'
4. 'Dream'
5. 'Sword'
6. 'Men'
7. 'Femto'
8. 'God'
9. 'Dead'
10. 'Battle'

The knowledge base looks like this (I don't know how else to show this 😊):

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{
  "griffith": [
    "Set in a medieval Europe-inspired fantasy world, the story centers on the characters of Guts, an orphaned mercenary, and Griffith, leader of a mercenary band called the Band of the Hawk.\n",
    "Contents 1 Quotes From Manga 1.1 Narrator 1.2 Guts 1.3 Griffith 1.4 Judeau 1.5 Skull Knight 2 Quotes From 1997 Anime 2.1 The Black Swordsman 2.2 Band of the Hawk 2.3 First Battle 2.4 Hand of God 2.5 A Wind of Swords 2.6 Zodd The Immortal 2.7 The Sword's Owner 2.8 Conspiracy 2.9 Assassination 2.10 Noble Man 2.11 The Battle 2.12 Together 2.13 Prepared For Death 2.14 Bonfire of Dreams 2.15 The Decisive Battle 2.16 The Conquerer 2.17 Moment of Glory 2.18 Tombstone of Flames 2.19 Separation 2.20 Sparks 2.21 Confession 2.22 Infiltration 2.23 Eve of the Feast 2.24 The Eclipse 2.25 Time of Eternity 3 Quotes From Golden Age Trilogy 3.1 Egg of the King 3.2 The Battle of Doldrey 3.3 The Advent 4 Quotes From 2016 Anime 4.1 The Dragonslayer 4.2 The Holy Iron Chain Knights 4.3 Night of Miracles 4.4 Epiphany 4.5 Tower of Conviction 4.6 A Nighttime Feast: Burning at the Stake 4.7 The Black Witch 4.8 Reunion in the Den of Evil 4.9 Blood Flow of the Dead 4.10 Hell's Angels 4.11 Shadows of Ideas 4.12 Those Who Clang, Those Who Struggle 4.13 The Rent World 4.14 Winter Journey Quotes From Manga Narrator In this world, is the destiny of mankind controlled by some transcendental entity or law?\n", "I can't compare to you... Sure I can kill a hundred enemies but... and not only you, but Griffith too.\n", "Humans are weak... but we want to live... even if we're wounded... or tortured... we feel the pain... (repeated line) GRIFFITH!\n", "A big flame named Griffith.\n", "Griffith A friend would not just follow another's dream... a friend would find his own reason to live... A dream...\n", "Band of the Hawk (Guts agrees to serve Griffith if he can beat him in a sword fight) Griffith: As you wish.\n", "Casca: Griffith!\n", "Griffith: Leave us alone Casca.\n", "Casca: But- Griffith: Don't worry.\n", "First Battle (while dueling Griffith, Guts brings his sword down onto him, only to find Griffith standing atop Guts blade) Griffith: (points his sword at Guts' face) I enjoy fighting you, my friend.\n", "(bites down on the sword) (After a fierce duel, Griffith manages to overpower Guts) Griffith\xa0: Now, my friend, you have a choice: Admit defeat, or I will be forced to dislocate your shoulder.\n", "(Griffith cripples Guts, defeating him.\n", "The other Hawks rush to congratulate Griffith) Corkus: (to Guts) Hey, champ, how does it feel to lose two in a row?\n", "(Griffith brushes Corkus aside, and takes Guts face in his hands) Griffith: And so, now you belong to me, Guts.\n", "Griffith: From now on, he is a member of the Hawks!\n", "Zodd The Immortal Zodd\xa0: (To Guts) If you think this man (Griffith) your friend, know this: when you regard one another as brother, and this man's ambition crumbles, it is your destiny to face your death!\n", "The Sword's Owner Griffith\xa0: Will you always be left doubting me when I lay down my life for you?\n", "Conspiracy (Foss and Julius are both displeased by Griffith's appointment to the King's honor guard for the Fall Hunt) Foss: In the act of hunting, a little danger must always lie.\n", "Assassination Guts: (after Griffith explains how he discovered Yurius was behind the attempt on his life and tells Guts to kill him) This is unlike you; You should just order me to do your bidding, without saying all that other crap.\n", "Noble Man Griffith\xa0: For me to call a man my friend, he must be equal to me in all respects.\n", "Griffith\xa0: While many can pursue their dreams in solitude, other dreams are like great storms blowing hundreds, even thousands of dreams apart in their wake.\n", "Together (In a flashback, Casca finds Griffith mourning a dead squire) Griffith: He so badly wanted to be a knight.\n", "Griffith: Listen, Casca: I feel no responsibility to those comrades who've lost their lives in my service, because they chose to fight those battles.. (grips his arms with his hands) ...just as you chose, just as I.\n", "Casca: Griffith has a dream he refuses to abandon, while most people have forgotten about their own dreams long ago.\n", "I tried to convince myself, that Griffith wanted you solely for the strength you would add to the Hawks, but I see the way Griffith treats you differently.\n", "He becomes unnerved if you're in danger, and acts impulsively, as if, as if... Griffith puts his faith in you, but you, you can't appreciate the implications it has.\n", "And I'll never forget that because of you, because of your recklessness and your selfishness, Griffith was nearly killed!\n", "I don't care if you drop dead in a field somewhere, but if you compromise Griffith's dream, if you ruin that, I will never forgive you!\n", "(breaks down) I can't forgive you for making Griffith change the way he has.\n", "Go back, back to Griffith.\n", "I'm not talking about just you, I mean Griffith also.\n", "Guts: Yeah, and to ensure those weaker flames don't go out, I'll make sure his name is the strongest flame of them all, a single flame that is Griffith.\n", "The Decisive Battle, 1st Volume (On Griffith's Dream
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An example dialog for a chatbot, for now, might be the following:

User: Hey arnold *(that's his name)*, give me some advice on dreams

Arnold : I can't just step over the bones of the dead to realize it; My dream... my dream is already smeared with blood!