Jonathan Ho

CS 4395

Building the Knowledge Base

I created a very simple knowledge base which uses the top 10 important terms as keys, and the values are any sentences that contained the key. The dictionary is in a {term : []} format since there could be multiple sentences for a key. One thing I was not sure of is allowing duplicate sentences between keys. Some keys might appear in the same sentence, so that sentence was appended to the values of the relevant keys. The following are a few screen shots of the knowledge base:

Dictionary keys:

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dict_keys(['mario', 'nintendo', 'game', 'original', 'princess', 'switch', 'character', 'world', 'luigi', 'mushroom'])
```

Values for "mario":

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mario ['Mario From the Super Mario Biki, the Mario encyclopedia Jump to navigation Jump to search start content Tag ID: mariowiki_leaderboard_aft This article is about Mario, the main character of the namesake franchise
.\n', "Tag ID: mariowiki_right_reil_1 Contents 1 Creation 2 History 2.1 Background 2.2 Donkey Kong Series 2.2 Donkey Kong Jr. 2.2.3 Donkey Kong ID: 2.2.3 Donkey Kong Gircus 2.2.5
Donkey Kong Hockey 2.2.6 Donkey Kong Gircus 2.2.5 Donkey Kong Coloring/activity books) 2.4 Gene & Watch series 2.5 Hario Bros. series 2.6 Saturday Supercade 2.7 Boff 2.8 Family Basili 2.9 Wrecking Crew 1, Wrecking Crew 2, 92.2 Wrecking Crew 198 2.10 Super Mario Bros. Super Mario
```

Values for "mushroom":

mushroom ['What's more, the heel pad is made with mushroom-infused materials, suctly nodding to the platforming icon's choice of food.\(\)n', 'The collection also comes with a ton of different accessories like Super Mario to Make a Fake Boot Real List slides How to Make a Fake Boot Real List slides How to Make a Fake Boot Real List slides How to Make a Fake Boot Real List slides How to Make a Fake Boot Real List slides How to Make a Fake Boot Real Photo : Artem Golub/109 Nintendo and Illumination worked with Red Wing Shoes to bring the model of Mario's boots from the movie to real Life-including their mushroom-based insoles.\(\)n', 'Released: Oct. 18, 1989 Platform: Nintendo Entertainment System Ballery item 1 Gallery item 2 Gallery item 3 In an interview that beta tests of user one day the kingdom of the peaceful unshroom people was invaded by the Koopa, a tribe of turtles famous for their black magaic.\(\)n', 'Created by chance, Shigeru Miyamoto Stated in an interview that beta tests of Super Mario Bros. proved Mario to tall, so the development team implemented mushrooms to grow and shrink Mario.\(\)n', '[8] Different variants of mushroom power-ups appear in the series.\(\)n', 'The 1-Up mushroom was introduced in Super Mario Bros. , with the term 1-up subsequently being used generically in other video game series to refer to extra lives.\(\)n', 'In the monochromatic Super Mario Land and Super Nario Land and Super Nario Land and Super Nario Land 2, instead of differently colored mushroom, the 1-Up is shown as a heart.\(\)n', 'The most widely recognized mushroom: chemistry of the genus Amanita '(PDF) \(\)n', '[181] Nintendo Power Listed Mario as their favorite hero, citing his defining characteristics as his mustaches, red cap, plumbing prowess, and his mushrooms.\(\)n', '(181) Mintendo Power Listed Mario as their favorite hero, citing his defining characteristics as his mustache, red cap, plumbing prowess, and his mushrooms.\(\)n', '(181) Mintendo Power Listed Mario as their favorite hero, citing his defining

Sample dialogue:

(Non-indent = Bot, Indent = user)

Hello, I'm a chat bot that knows everything about the beloved Nintendo mascot Mario! What would you like to know?

Can you tell me about Luigi?

Luigi is Mario's brother who helps him out. While Mario has had many game titles, Luigi has had his fair share of spin offs such as Luigi's Mansion and Super Luigi Bros.

Can you tell me about the world Mario resides in?

He and his friends go on adventures in the Mushroom Kingdom. However, sometimes he goes to different places or worlds. One for example was when Mario travelled different galaxies in Super Mario Galaxy.