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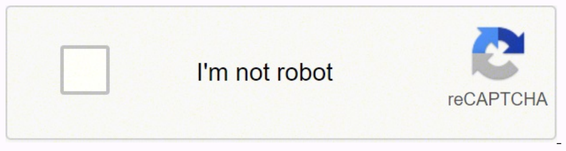

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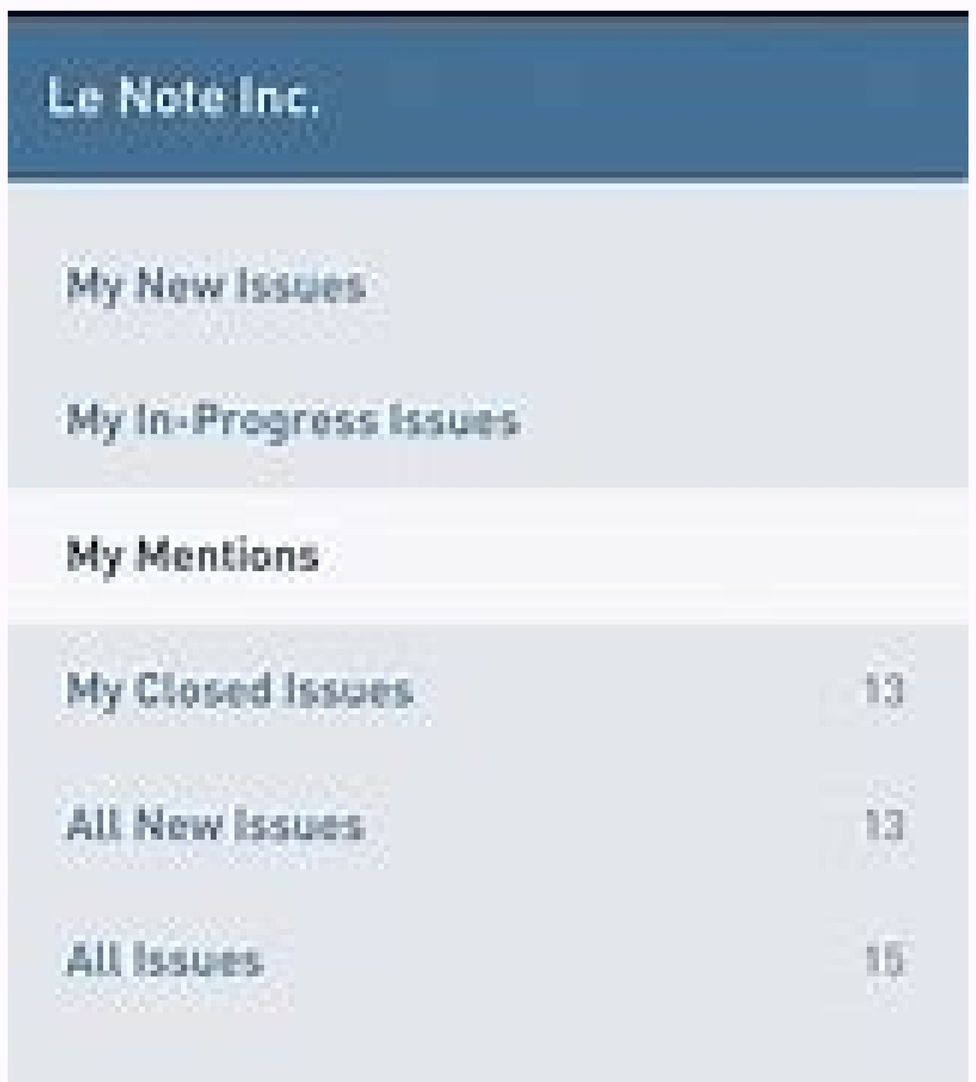

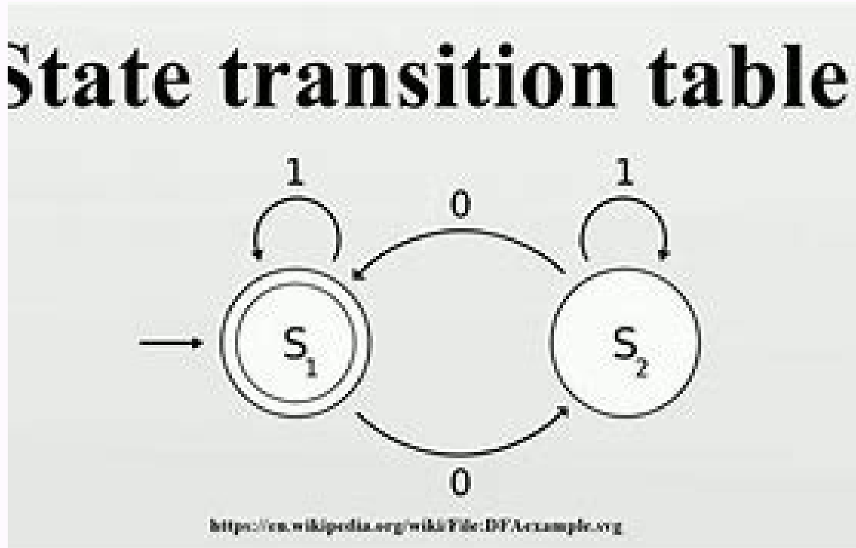

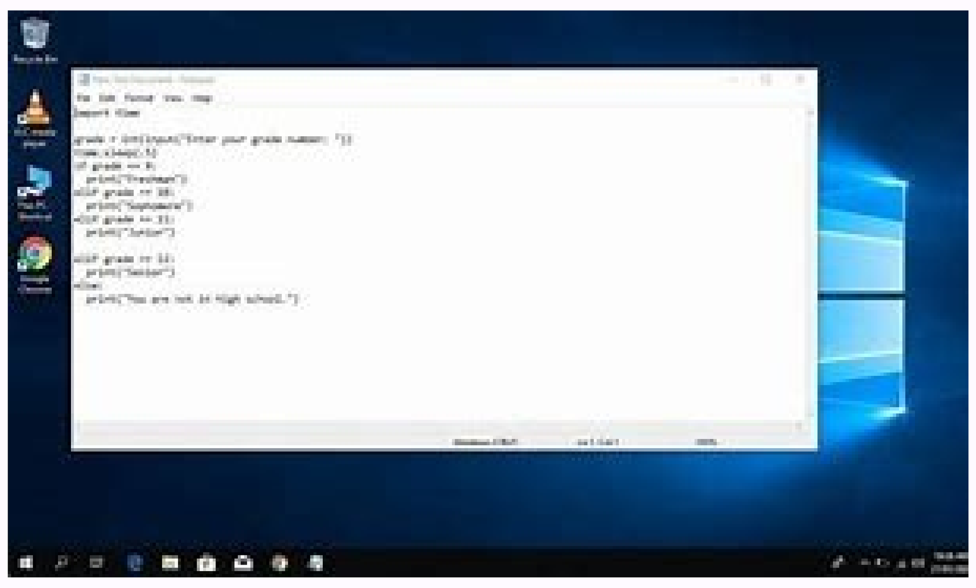

Edhesive assignment 3 chatbot code answers. Edhesive assignment 3 chatbot answers.

Let's create a messaging chatbot that is conducted by OpenAis GPT3. This is the nearest thing I've seen from a robot having aware and we'll do it in less than fifty lines of code! This is the tutorial written, but if you want to watch the video tutorial on youtube click here.tech stackwe will be doing this in pythn and use the flask frame we will be writing our code in the code editor vs. we will use the desktop github we will be Using an Openai API key to access the GPT3WE we will be using Twilio to deal with Twilio message service and finally use render to run our chatbotrequitspython 3.6 or the new API Openeropenai Github Accounting Paid Twilio Render I am a Maestro Git Hub, but I know enough to get around. We will install Python Specific Packages and the best way to do this is with a virtual environment environment Creating a virtual virtual environment environment is a copy of the Python interpreter in which you can install private packages without affecting the Global Python interpreter installed in your system. Your future myself will thank you for using a virtual environment whenever possible. Helps keep the code contained and make it more replicable, since all the dependances and packages of the site are in one place. People configure virtual environments of various ways, but here are the commands that I follow: create a new project folder. We are going to call ours: Change to the new directory of GPT3-Jabebot we have just created. We will call our Virtual Environment VVVVVV. The VENV option runs the VENV package from the standard library as a standalone script, passing the desired name as an argument.again, youyouja Make sure your current directory is set to GPT3-Chatbot and run this command. The command ends, youyouyouyouyouyouyouyouyouyouyouyouyouyouyouyouyouyouyouyouyouyouyouyouyouyouyouyouy much will have a subdirectory with the name Venv in GPT3-Jabebot.Now We We We We Now We WE We WE We WE We We We We We WE to activate the virtual environment. To do this, run the following command: Great. Now we're all set. Be sure to always activate your virtual environment before making changes in our Circus, or else you will be executed in some errors. Again, the beauty of the virtual environment © that we can install all packages and dependencies in one place, facilitating sharing and updating. We will use the pip command to get the packages we want.downloading a package to © Very easy with the PIP. Just go to your terminal and check if you are in your virtual environment, then tell PIP to download the package you want by typing the following: Let's run through © s of a l l the packages we need to install: By creating a new github repoten desktop App and in the menu bar at the top, you should s e e the option to create a "repository" in filet from there, we will give a name and use the option to open it on SODE. Let's call it GPT3-Chatbot. Before reaching Create repository, make sure to add a Python Gitignore file. This will prevent us from uploading our virtual environment to Github as well as our.env file that contains © m our Super Secret API access tokens. You launch the desktop application you will see the option to open the repository in an external editor. If you have the Visual Studio dog installed, it should be the standard option. Go ahead and click on that button. We're almost ready to start writing our doggie! Generating the openai API Keyin to access GPT3 and all that © awesomeness, you need a key to Openai's API. I magically obtained a pass © from a tweet in Greg Brockman (@GDB) that was kind enough to distribute beta invitations after launch. Now you can sign up on your site, although I am not sure how long it takes to be accepted. Fast forward to when you were accepted and you will want to copy your secret API key within your account settings. Ours. Chatbot will need to redo this API key so we need to add it to a new.Env file. The reason we are Through a file. env © Why is it © a secret key and we don't want anyone © I'm robbing you and using you for the evil we'll have to pay for. By placing it in a file.env (environment in a short way), we can import it as a variable. Please note that the.env file is included in our standard gittig file that we created. Create a.env file in the project directory (note the checkpoint) and add this line of dog, but replace your super-desktop key Your Key API key. I will say one more time, Make sure you do not expose your secret API key to the public. Looking for our chatbotnow that we have the skeleton of our design setup, let's give a dog © Brains. We will be using GPT3 for this.intro for GPT3i will not spend much time passing exactly what is © GPT3 or how it works. Partly because I still don't understand and mainly because there's a ton of literature out there, if you want to learn more. I'm gonna pull some footage from OG Twilio's blog post to help paint the image. "Ogt-3 (primary generative transformer ©- Trained 3) © a highly advanced language model trained in a very large corpus of text. Despite its internal complexity, the © surprisingly simple to operate: you feed some text, and the model generates a few more, following a similar style and structure. © not deterministic, in the sense that given the same input, several engine races will return different answers. For more information, I recommend reading the following: The final guide to the Openai GPT-3 language model** by practicing on the playground The Openai Playground allows us to explore GPT3 and all its complexities. The general idea behind everything is © that you © Train (also) © m known as Prime) the GPT3 engine, giving examples to learn. With just one example or two, GPT3 will fill in the blank spaces and basically imitate what you taught. The main text area © where we provide the example entries of The right sidebar to © where we modify variable variability Change the desired text output.Pretty pure right!? So letanjanjanja a moment to see what is happening on the right side that will be conducting the answers we get in the Playground. I've asked I I again reference points of the Twilios Ultimate Guide (connected again conveniently here) with a tap of my own redacation to help you digest it.Engine: OpenAI has four engines to choose from. This is © part of the gpt3 black box. I read that Davinci Ã© the most advanced and capableuÃssimo âDandyâ so we will stick with him by recommendations on all interwebs.Response length: Controls how much text is © generated. Think about the character count here for all Microsoft Word or Google Doc users. If we set it at 150, it means that GPT-3 will add 150 tokens to the text. An English © defined as a word or punctuation mark.Temperature: This setting controls the randomness of the generated text. The higher the temperature, the crazier it is© spat out. A value of 0 makes the engine deterministic, which means that it will always generate the same output for a given input. A value of 1 makes the engine take on the risks best known to make it the most creative.Top P: This metro also has© some control over the randomness and creativity of the text generated by GPT3. For some reason it © used less than temperature. The OpenAI documentation recommends that only one of the Temperatures and Top P are used, so when using one of them, make sure that the other © set to 1.Frequency penalty: The frequency penalty works by decreasing the chances of a word being selected again more times than the word has ever been used.Attendance Penalty: Attendance penalty does not consider how often a word was used, but only if the word exists in the text. This helps make it less repetitive and look more natural.Per the Ultimate Twilio As the difference between these two options © subtle, but you can think of the Criminal Frequency as a way to avoid repetitions of words, and Criminal Presence as a way to avoid the penalty of preservation as a form Avoid repetitions of topics.token03 Best Of: can be used for GPT-3 t o manage multiple answers to a query. The Playground then selects the best and displays it. Recommend going with the patterns here. Stop sequence: helps prevent GPT3 from cutting the hand © the sentence day runs against the maximum length allowed by the meter length of response. The stopping sequence basically forces the GPT3 to stop at a certain point. The returned text will not contain the stop sequence. Start Text: Text to automatically add after user input. This will happen before sending a request to GPT3 that will be useful when we are building our bot. Restart Text: Text to add after generation to templates to continue the standardized structure. In other words, the restart text helps as soon as you don @t need t o enter the prefix. As always, the best way to really learn what each of these things do © experiment with them. Change the values and s e e what happens to your text performance in the Playground. Customizing Our Chatbot for our chatbot, we will give you a n identity to get started before adding in any example Q&A. To this end, we will add a brief description of text from our robot at the top. The cool one is © that we can refer to known people that exist on the internet because GPT3 © trained in a corporeal Ahab-sama of information that basically means the entire Internet recorded. After the identity description of the Bot-Younhosa, we will write a handful of questions and answers to train the GPT3 engine to follow the Q&A format. We are following this format specifically since we are creating a chatbot that will answer questions (and comments). This was modified directly from Q&A to ©- defined from OpenAI. The amazing thing about GPT3 © that we just need some examples to give our life bot. The keyword is being prompt.03 Note how for each question we started with Person: and for each answer we started with Jabe:. The GPT3 engine can understand This is © A conversation between a person and the bot in our case called Jabe. Our input of text is © Jabe feedback: Meaning, we want the engine to stop generating healthy once the engine is in. © asked to answer the question. Our reboot text © [ENTER], [ENTER], person: which means that the bot is waiting for us to enter before generating an exit. This will be fundamental when we are reading in text messages via Twilio later. The bold text on the playground © which GPT3 will use as input. Once again, we have created several examples of Q A to teach GPT3 what type of text we want to generate when requested. The reason we ended a question from the person: © Why is it © that provides GPT3 with the suggestion that needs to generate an answer to complete the conversation that corresponds to the above examples. If we get it right, we'll see the answer to our Chatbot! Exporting our PresetSnow that we have a vague understanding of how everything works, we can export the game park's dog easily so that we can convert it to Python. To do this, click on the button

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