

Complex Question Dialogue Tutorial

Welcome and thank you for your participation! This task simulates a dialogue between a human user and an AI Agent, where the human asks a complex question, and the AI Agent breaks it into sub-questions and tries to answer the original complex question (which we will call the “Target Question”). The unique thing about this system is that the User can edit the sub-questions when the system gets it wrong or misunderstands.

At this stage in the project, we are gathering data to train the AI Agent, so for this task, **you will be acting as this AI Agent**. You will be rephrasing questions to sound more natural, and asking confirmation questions of the User (who, in this task, is automated).

In the following pages, we’ll show you a few examples so you know what to expect. While doing the task, you should keep this link open for reference.

You’ll notice that the sub-questions don’t always exactly match the target question. That’s because our system sometimes gets this part wrong. The goal of this dialogue is to correct these mistakes. But remember, you’re acting as an AI agent, so you don’t need to come up with corrections yourself. The human User will do that part!

Complex Question Dialogue

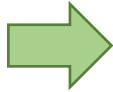
The purpose of this task is to simulate a complex question and answer dialogue between an AI agent and a human user, in which the human user asks a question and the agent breaks the question into its components and tries to answer the question adequately. The agent can ask clarifying questions and the user can make corrections.

You will participate in a dialogue with another participant, who is taking on the role of the “Agent”. Your role as “User” is to ask a given complex question to the Agent, who will break it into sub-questions and ask you to confirm that the sub-questions are correct. You will be provided step-by-step instructions for how to respond to the Agent, which **you will express in your own words**. When the Agent has sufficiently answered the complex question, the interaction will be complete. Next you will see an example of this dialogue, for reference.

A screenshot of a computer interface. At the top right, there are two buttons: 'Volume' with a speaker icon and 'connected'. Below this, a yellow box contains the text 'System:' followed by 'Welcome onboard!'. In the bottom left corner of the main window, there is a text input field containing the word 'hello' and a blue 'Enter' button to its right. A large green arrow points from the text 'When you open the HIT...' on the right side to the 'Enter' button on the screen.

When you open the HIT, you'll see a welcome message. First, type anything in the box and click “Enter” to begin.

On the left side,
you'll see the
target complex
question, a few
basic
instructions, and
a link to this
tutorial.



Complex Question Dialogue

TARGET QUESTION: "What color are the uniforms of the team whose mascot is 'Big Red'?"

Your task is to rephrase the sub-questions into more natural-sounding English, then ask confirmation questions to the User as needed.

Remember, there will be an opportunity for feedback at the end. If at any point you are confused by the questions, please just do your best to follow the prompts, but report this issue in the feedback section at the end.

[LINK TO TUTORIAL]

Directions:

TARGET QUESTION:

"What color are the uniforms of the team whose mascot is 'Big Red'?"

Is the meaning of this question clear to you? Please type 'yes' or 'no'.

Please enter here...

Volume

connected

Enter

Complex Question Dialogue

TARGET QUESTION: "What color are the uniforms of the team whose mascot is 'Big Red'?"

Your task is to rephrase the sub-questions into more natural-sounding English, then ask confirmation questions to the User as needed.

Remember, there will be an opportunity for feedback at the end. If at any point you are confused by the questions, please just do your best to follow the prompts, but report this issue in the feedback section at the end.

[LINK TO TUTORIAL]

Directions:

TARGET QUESTION:

"What color are the uniforms of the team whose mascot is 'Big Red'?"

Is the meaning of this question clear to you? Please type 'yes' or 'no'.

Volume connected



yes

Enter

First, you will be asked if you can understand the target question.

Please type
ONLY 'yes' or
'no' here.

Complex Question Dialogue

TARGET QUESTION: "What color are the uniforms of the team whose mascot is 'Big Red'?"

Your task is to rephrase the sub-questions into more natural-sounding English, then ask confirmation questions to the User as needed.

Remember, there will be an opportunity for feedback at the end. If at any point you are confused by the questions, please just do your best to follow the prompts, but report this issue in the feedback section at the end.

[LINK TO TUTORIAL]

"What color are the uniforms of the team whose mascot is 'Big Red'?"

Is the meaning of this question clear to you? Please type 'yes' or 'no'.

Volume connected

Agent (You):

yes

Directions:

Great. Please rephrase the Target Question into your own words.

TARGET QUESTION:

"What color are the uniforms of the team whose mascot is 'Big Red'?"

What color are the uniforms of the team whose mascot is 'Big Red'?

Enter

If you respond with "yes", you will be asked to rephrase the target question. Be a bit creative here, but make sure you preserve all the content of the question.

We auto-fill the current version of the question in the text box, so you can simply edit it.

Note: You MUST make edits to the text or it will not let you submit it!

Complex Question Dialogue

TARGET QUESTION: "What color are the uniforms of the team whose mascot is 'Big Red'?"

Your task is to rephrase the sub-questions into more natural-sounding English, then ask confirmation questions to the User as needed.

Remember, there will be an opportunity for feedback at the end. If at any point you are confused by the questions, please just do your best to follow the prompts, but report this issue in the feedback section at the end.

[LINK TO TUTORIAL]

Directions:

Great. Please rephrase the Target Question into your own words.

TARGET QUESTION:

"What color are the uniforms of the team whose mascot is 'Big Red'?"

Agent (You):

what colors are the jerseys worn by the team whose mascot is named 'Big Red'?

Directions:

The Target Question has been broken into the following sub-questions. You will rephrase each one while trying to

Please enter here...

Enter

Here's an example of how you could rephrase this Target Question.

Complex Question Dialogue

TARGET QUESTION: "What color are the uniforms of the team whose mascot is 'Big Red'?"

Your task is to rephrase the sub-questions into more natural-sounding English, then ask confirmation questions to the User as needed.

Remember, there will be an opportunity for feedback at the end. If at any point you are confused by the questions, please just do your best to follow the prompts, but report this issue in the feedback section at the end.

[LINK TO TUTORIAL]

TARGET QUESTION:

"What color are the uniforms of the team whose mascot is 'Big Red'?"

Is the meaning of this question clear to you? Please type 'yes' or 'no'.

Volume

connected

Agent (You):

no

Directions:

Sorry about that! Some of these questions are a little confusing. We will continue through the dialogue, which hopefully will make the meaning a little clearer. At the end of the dialogue we'll try again to make sense of the Target Question. For now, just do your best to work through the prompts.

Please enter here...

Enter

If you answer "no", we'll still work through the dialogue. Hopefully the rest of the dialogue will make the meaning of the Target Question clearer, so we'll revisit it at the end if necessary.

Complex Question Dialogue

TARGET QUESTION: "What color are the uniforms of the team whose mascot is 'Big Red'?"

Your task is to rephrase the sub-questions into more natural-sounding English, then ask confirmation questions to the User as needed.

Remember, there will be an opportunity for feedback at the end. If at any point you are confused by the questions, please just do your best to follow the prompts, but report this issue in the feedback section at the end.

[\[LINK TO TUTORIAL\]](#)

Volume connected

Directions:

The Target Question has been broken into the following sub-questions. You will rephrase each one while trying to preserve the content of each. Note that these may not be the correct sub-questions for the Target Question, but for now don't worry about that. We will fix that part later.

SUB-QUESTIONS:

1. What is/are the team with a mascot named [big red]?

ANSWER: Arizona Cardinals

2. that entity is/are the sports team owned by what?

ANSWER: Bill Bidwill

Please click Enter to continue

Enter

Next, we'll show you a set of "sub-questions" of the Target Question. These sub-questions are automatically generated and therefore may not be correct (as you can see in this example).

For now, don't worry about how the sub-questions and their answers relate to the Target Question, as we will take care of that part later.

Click 'Enter' to continue to the next part of the dialogue.

Complex Question Dialogue

TARGET QUESTION: "What color are the uniforms of the team whose mascot is 'Big Red'?"

Your task is to rephrase the sub-questions into more natural-sounding English, then ask confirmation questions to the User as needed.

Remember, there will be an opportunity for feedback at the end. If at any point you are confused by the questions, please just do your best to follow the prompts, but report this issue in the feedback section at the end.

[\[LINK TO TUTORIAL\]](#)

Volume connected

1. What is/are the team with a mascot named [big red]?

ANSWER: Arizona Cardinals

2. that entity/is/are the sports team owned by what?

ANSWER: Bill Bidwill

Directions:

First, rephrase the first sub-question in your own words.

REPHRASE:

"What is/are the team with a mascot named [big red]?"

What is/are the team with a mascot named big red?

Enter

The directions will ask you to rephrase the first sub-question into your own words. These sub-questions are computer-generated, so some of them sound a bit strange. Your job is to make them sound more natural.

The computer-generated question will auto-fill in the text box, so you can edit it there.

Complex Question Dialogue

TARGET QUESTION: "What color are the uniforms of the team whose mascot is 'Big Red'?"

Your task is to rephrase the sub-questions into more natural-sounding English, then ask confirmation questions to the User as needed.

Remember, there will be an opportunity for feedback at the end. If at any point you are confused by the questions, please just do your best to follow the prompts, but report this issue in the feedback section at the end.

[LINK TO TUTORIAL]

REPHRASE:
"What is/are the team with a mascot named [big red]?"



connected

Agent (You):

What team's mascot is named 'Big Red'?

Directions:

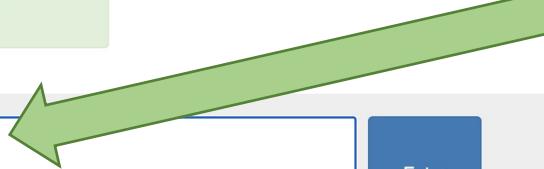
Now rephrase the second sub-question in your own words.

REPHRASE:

"that entity is/are the sports team owned by what?"

Who owns that sports team?

Enter



You can reword the question however you like, just make sure it that it makes sense and conveys the same content as the original question.

Also, be aware that some sub-questions won't make sense (sometimes the computer is wrong!). Don't worry too much, just re-word them as best as you can. Here's an example of how you can re-word this sub-question.

Directions:

First, rephrase the first sub-question in your own words.

REPHRASE:

"What is/are the team with a mascot named [big red]?"

You might notice that there are some words/phrases that are in brackets, like [big red] in this example.

This is because the questions are computer-generated templates, and the things in brackets are entities that are getting filled into them.

It's important to preserve the meaning of the TEMPLATE, even if the entity doesn't really make sense in this context. More about this later!

What is/are the team with a mascot named big red?

Directions:

Now rephrase the second sub-question in your own words.

REPHRASE:

'that entity is/are the sports team owned by what?"



Who owns that sports team?



There are a couple other things you should notice about this automatically-generated sub-question.

First, the phrase “that entity” is in this sub-question. This simply means that the question is referring to the answer of the previous sub-question. Because this question is referring to a sports team (circled), we can replace it with “that sports team” or something similar. Try to make the questions MORE specific, when possible.

Second, the automatically-generated questions often use “what” when the question word should be something different. Here, it’s clear that we’re looking for a “who”. You should change it to the appropriate question word (like “who”) or question phrase (like “what person”).

Remember, the goal is to make the questions sound more natural!

Complex Question Dialogue

TARGET QUESTION: "What color are the uniforms of the team whose mascot is 'Big Red'?"

Your task is to rephrase the sub-questions into more natural-sounding English, then ask confirmation questions to the User as needed.

Remember, there will be an opportunity for feedback at the end. If at any point you are confused by the questions, please just do your best to follow the prompts, but report this issue in the feedback section at the end.

[LINK TO TUTORIAL]

Now rephrase the second sub-question in your own words.

REPHRASE:

"that entity is/are the sports team owned by what?"

Agent (You):

Who owns that sports team?

Directions:

Great! Now ask the User if they would like to make any edits to the questions you just rephrased. Please do so in your own words.

Would you like to make any edits?

Enter

After you have rephrased all the sub-questions, you'll then be asked to create a "confirmation question", where you'll ask the user if these sub-questions are a correct interpretation for the target question.

Complex Question Dialogue

TARGET QUESTION: "What color are the uniforms of the team whose mascot is 'Big Red'?"

Your task is to rephrase the sub-questions into more natural-sounding English, then ask confirmation questions to the User as needed.

Remember, there will be an opportunity for feedback at the end. If at any point you are confused by the questions, please just do your best to follow the prompts, but report this issue in the feedback section at the end.

[LINK TO TUTORIAL]

NOW rephrase the second sub-question in your own words.

Volume

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REPHRASE:

"that entity is/are the sports team owned by what?"

Agent (You):

Who owns that sports team?

Directions:

Great! Now ask the User if they would like to make any edits to the questions you just rephrased. Please do so in your own words.

Do you have any changes to make at this point?

Enter

There are a lot of ways you can word this question and you'll have to ask it more than once, so try to vary your wording when you can.

Complex Question Dialogue

TARGET QUESTION: "What color are the uniforms of the team whose mascot is 'Big Red'?"

Your task is to rephrase the sub-questions into more natural-sounding English, then ask confirmation questions to the User as needed.

Remember, there will be an opportunity for feedback at the end. If at any point you are confused by the questions, please just do your best to follow the prompts, but report this issue in the feedback section at the end.

[LINK TO TUTORIAL]

Do you have any changes to make at this point?

Volume connected

Directions:
Great! Here's what we're sending to the User:

1. *What team's mascot is named Big Red?*

ANSWER: Arizona Cardinals

2. *Who owns that sports team?*

ANSWER: Bill Bidwill

Do you have any changes to make at this point?

Please click Enter to continue

Enter

Now that you've rephrased all the sub-questions and created a confirmation question, we'll put all of that together.

We've also added in answers when possible. Sometimes, though, questions won't have answers. That's ok— it'll get fixed later.

The black text is what we are sending to the User.

You can click 'Enter' to continue.

Complex Question Dialogue

TARGET QUESTION: "What color are the uniforms of the team whose mascot is 'Big Red'?"

Your task is to rephrase the sub-questions into more natural-sounding English, then ask confirmation questions to the User as needed.

Remember, there will be an opportunity for feedback at the end. If at any point you are confused by the questions, please just do your best to follow the prompts, but report this issue in the feedback section at the end.

[\[LINK TO TUTORIAL\]](#)

1. What team's mascot is named Big Red?

ANSWER: Arizona Cardinals

2. Who owns that sports team?

ANSWER: Bill Bidwill

Do you have any changes to make at this point?

User:

Please take the following actions:

1. replace question #2 with "that entity is/are the team with the team colors what?"

Please click Enter to continue

Enter

Then the User will respond with some instructions to edit the sub-questions. We'll take you through each of these instructions.

Click 'Enter' to continue to the next set of instructions.

Complex Question Dialogue

TARGET QUESTION: "What color are the uniforms of the team whose mascot is 'Big Red'?"

Your task is to rephrase the sub-questions into more natural-sounding English, then ask confirmation questions to the User as needed.

Remember, there will be an opportunity for feedback at the end. If at any point you are confused by the questions, please just do your best to follow the prompts, but report this issue in the feedback section at the end.

[LINK TO TUTORIAL]

The screenshot shows a computer interface with a light gray background. At the top right, there are two small rectangular buttons: one labeled "Volume" with a speaker icon and another labeled "connected". Below these is a large yellow rectangular area containing text. In the top left corner of this area, the word "User:" is written in bold black font. Below it, the text "Please take the following actions:" is followed by a numbered list: "1. replace question #2 with \"that entity is/are the team with the team colors what?\"". To the left of this yellow area is a green sidebar with the title "Complex Question Dialogue". Inside the yellow area, below the user's message, is a green rectangular box containing the word "Directions:" in bold black font. Underneath it, the text "The User has told you to replace question #2. First, rephrase the new question in your own words." is displayed. Below this, the word "REPHRASE:" is in bold black font, followed by the suggested phrasing: "that entity is/are the team with the team colors what?". A large green arrow points from this phrasing back towards the input field. At the bottom of the screen is a light gray bar containing a white input field with the suggested phrasing and a blue "Enter" button to its right.

They want you to replace question #2 and they gave you a (computer-generated) suggestion.

When this happens, first you will rephrase the new sub-question in your own words, then we'll replace it for you.

Complex Question Dialogue

TARGET QUESTION: "What color are the uniforms of the team whose mascot is 'Big Red'?"

Your task is to rephrase the sub-questions into more natural-sounding English, then ask confirmation questions to the User as needed.

Remember, there will be an opportunity for feedback at the end. If at any point you are confused by the questions, please just do your best to follow the prompts, but report this issue in the feedback section at the end.

[\[LINK TO TUTORIAL\]](#)

Directions:

Alright, we'll replace that question for you. We're done making edits, so here's what we're sending to the User:

1. *What team's mascot is named Big Red?*

ANSWER: Arizona Cardinals

2. *What are the colors of that team?*

ANSWER: Black, Cardinal, White

Now, ask the User if this information is correct. Rephrase this question in your own words!

Is this correct?

Enter

Again, we'll put all of that information together to send to the User. You can see here that question 2 has been replaced with the new question.

Now that we've taken care of all the edits that the User has suggested, we'll ask them if this information is what they are looking for.

You can ask this in a lot of ways, so feel free to be a bit creative!

Complex Question Dialogue

TARGET QUESTION: "What color are the uniforms of the team whose mascot is 'Big Red'?"

Your task is to rephrase the sub-questions into more natural-sounding English, then ask confirmation questions to the User as needed.

Remember, there will be an opportunity for feedback at the end. If at any point you are confused by the questions, please just do your best to follow the prompts, but report this issue in the feedback section at the end.

[\[LINK TO TUTORIAL\]](#)

2. What are the colors of their team?

ANSWER: Black, Cardinal, White

Now, ask the User if this information is correct. Rephrase this question in your own words!

Agent (You):

Now that I have made corrections, are these right?

User:

That is correct.

Please click Enter to continue

Enter

You can see here that the new confirmation question is context-sensitive, referring to the correction(s) we've made. This is a good thing to do when you can!

Then the User confirms that we've gotten the sub-questions correct! So now we'll give them a final answer to the target question.

Click 'Enter' to continue to the next set of instructions.

Complex Question Dialogue

TARGET QUESTION: "What color are the uniforms of the team whose mascot is 'Big Red'?"

Your task is to rephrase the sub-questions into more natural-sounding English, then ask confirmation questions to the User as needed.

Remember, there will be an opportunity for feedback at the end. If at any point you are confused by the questions, please just do your best to follow the prompts, but report this issue in the feedback section at the end.

[LINK TO TUTORIAL]

Directions:

The User does not have any more corrections to make. Now we'll send them a summary of the steps we've taken to answer their question, and provide them with the final answer.

The Target Question was "What color are the uniforms of the team whose mascot is 'Big Red'?" This has been broken into the following sub-questions:

1. *What team's mascot is named Big Red?*

ANSWER: Arizona Cardinals

2. *What are the colors of that team?*

ANSWER: Black, Cardinal, White

Thus, the final answer is Black, Cardinal, White.



Please click Enter to continue

Enter

At the end, we give them all the corrected sub-questions, answers, and then restate the target question with the final answer.

Complex Question Dialogue

TARGET QUESTION: "What color are the uniforms of the team whose mascot is 'Big Red'?"

Your task is to rephrase the sub-questions into more natural-sounding English, then ask confirmation questions to the User as needed.

Remember, there will be an opportunity for feedback at the end. If at any point you are confused by the questions, please just do your best to follow the prompts, but report this issue in the feedback section at the end.

[\[LINK TO TUTORIAL\]](#)

2. that entity is/are the team with the team colors what?

ANSWER: Black, Cardinal, White

Thus, the final answer is Black, Cardinal, White.

Directions:

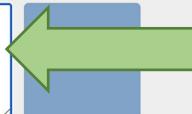
At the beginning, we asked you if the Target Question was understandable, to which you answered 'no'. We're hoping that the sub-questions helped to make the meaning of the Target Question a little more clear.

Now, use the sub-questions above to re-formulate the Target Question into more sensible language.

TARGET QUESTION:

"What color are the uniforms of the team whose mascot is 'Big Red'?"

What color are the uniforms of the team whose mascot is 'Big Red'?



Remember at the beginning when we asked you if the Target Question made sense? If you had said no, we went through the dialogue anyway. Hopefully the sub-questions made it a little clearer what the Target Question was supposed to ask. So we'll try again to rephrase it at the end of the dialogue.

Use the sub-questions to figure out the meaning of the Target Question and rephrase it accordingly.

Complex Question Dialogue

TARGET QUESTION: "What color are the uniforms of the team whose mascot is 'Big Red'?"

Your task is to rephrase the sub-questions into more natural-sounding English, then ask confirmation questions to the User as needed.

Remember, there will be an opportunity for feedback at the end. If at any point you are confused by the questions, please just do your best to follow the prompts, but report this issue in the feedback section at the end.

[LINK TO TUTORIAL]

1. What team's mascot is named Big Red?

ANSWER: Arizona Cardinals

2. What are the colors of that team?

ANSWER: Black, Cardinal, White

Thus, the final answer is Black, Cardinal, White.

Directions:

This dialogue is complete. Now we will get your feedback about this task. Did you have any problems with any part of this task? Was anything particularly confusing? If you have any comments or concerns, please submit them in the text box. If not, simply type "None".

The new question #2 was a bit confusing. ('that entity is/are the team with team colors what?')



Lastly, we'll ask you to give feedback on anything that was confusing about the dialogue. You can tell us anything about the interaction that wasn't clear-- it will help us improve the task for other users.

Complex Question Dialogue

TARGET QUESTION: "What color are the uniforms of the team whose mascot is 'Big Red'?"

Your task is to rephrase the sub-questions into more natural-sounding English, then ask confirmation questions to the User as needed.

Remember, there will be an opportunity for feedback at the end. If at any point you are confused by the questions, please just do your best to follow the prompts, but report this issue in the feedback section at the end.

[\[LINK TO TUTORIAL\]](#)

1. *What team's mascot is named Big Red?*

ANSWER: Arizona Cardinals

2. *What are the colors of that team?*

ANSWER: Black, Cardinal, White

Thus, the final answer is Black, Cardinal, White.

Directions:

This dialogue is complete. Now we will get your feedback about this task. Any part of this task? Was anything particularly confusing? If you have any, submit them in the text box. If not, simply type "None".

The new question #2 was a bit confusing. ('that entity is/are the team with team colors what?')

Enter

Importantly, sometimes the Target Question and the (corrected) sub-questions simply don't match each other. If this happens, please make a comment about it in the feedback section so we can figure out what went wrong!

Complex Question Dialogue

TARGET QUESTION: "What color are the uniforms of the team whose mascot is 'Big Red'?"

Your task is to rephrase the sub-questions into more natural-sounding English, then ask confirmation questions to the User as needed.

Remember, there will be an opportunity for feedback at the end. If at any point you are confused by the questions, please just do your best to follow the prompts, but report this issue in the feedback section at the end.

[\[LINK TO TUTORIAL\]](#)

The screenshot shows a communication interface with two main sections: a light green 'User' section and a light blue 'Agent (You)' section. At the top right, there are 'Volume' and 'connected' status indicators. The 'User' section contains a 'Directions:' box with instructions for providing feedback. The 'Agent (You)' section contains a 'Agent (You):' box with a response to the user's feedback. A large grey button at the bottom allows the user to mark the HIT as done.

Directions:

This dialogue is complete. Now we will get your feedback about this task. Did you have any problems with any part of this task? Was anything particularly confusing? If you have any comments or concerns, please submit them in the text box. If not, simply type "None".

Agent (You):

The new question #2 was a bit confusing. ('that entity is/are the team with team colors what?')

Directions:

Thanks for that feedback!

Done with this HIT

And that's the end of the task!

We'll go through a couple other small things that you might see in these interactions, just so you're prepared for them.

Example #2

Target question: The country that has the national anthem Ee Mungu Nguvu Yetu accepts what currency?

Predicted sub-questions:

1. What is/are the country that has the national anthem “[ee mungu nguvu yetu]?”
2. That entity is/are the location with a currency named what?

For this example, the sub-questions are much more sensible in regard to the Target Question, though the wording is perhaps a bit strange.

When this happens, that means the system was correct! So all we'll do is rephrase the Target Question and sub-questions, ask a confirmation question, and then we're done!

Complex Question Dialogue

TARGET QUESTION: "The country that has the national anthem Ee Mungu Nguvu Yetu accepts what currency?"

Your task is to rephrase the sub-questions into more natural-sounding English, then ask confirmation questions to the User as needed.

Remember, there will be an opportunity for feedback at the end. If at any point you are confused by the questions, please just do your best to follow the prompts, but report this issue in the feedback section at the end.

[LINK TO TUTORIAL]

REPHRASE:
"What is/are the country that has the national anthem 'Ee mungu nguvu yetu'?"

Volume connected

Agent (You):

What country has the national anthem "Ee Mungu Nguvu Yetu"?

Directions:

Now rephrase the second sub-question in your own words.

REPHRASE:

"that entity is/are the location with a currency named what?"

We'll rephrase each sub-question, just as we did in the previous example.

What currency does this country use?

Enter

Complex Question Dialogue

TARGET QUESTION: "The country that has the national anthem Ee Mungu Nguvu Yetu accepts what currency?"

Your task is to rephrase the sub-questions into more natural-sounding English, then ask confirmation questions to the User as needed.

Remember, there will be an opportunity for feedback at the end. If at any point you are confused by the questions, please just do your best to follow the prompts, but report this issue in the feedback section at the end.

[LINK TO TUTORIAL]

REPHRASE:
"What is/are the country that has the national anthem "ee mungu nguvu yetu?"

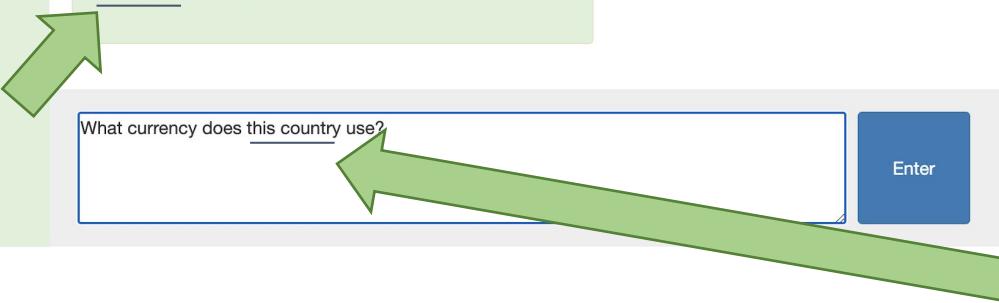
Volume connected

Agent (You):
What country has the national anthem "Ee Mungu Nguvu Yetu"?

Directions:
Now rephrase the second sub-question in your own words.

REPHRASE:
"that entity is/are the location with a currency named what?"

What currency does this country use?
Enter



Again, notice that question #2 contains the phrase "that entity". This means that this question is referring the answer of the previous question.

When you rephrase the question, you should try to make this a little more specific, but DON'T use the answer to the previous question.

For example, we know that the previous question is referring to a country, so we can change "that entity" to "that country" but NOT "Kenya".

Complex Question Dialogue

TARGET QUESTION: "The country that has the national anthem Ee Mungu Nguvu Yetu accepts what currency?"

Your task is to rephrase the sub-questions into more natural-sounding English, then ask confirmation questions to the User as needed.

Remember, there will be an opportunity for feedback at the end. If at any point you are confused by the questions, please just do your best to follow the prompts, but report this issue in the feedback section at the end.

[LINK TO TUTORIAL]

Agent (You):

What do you think of these sub-questions? Do you have any changes to make?

Directions:

Great! Here's what we're sending to the User:

1. *What country has the national anthem Ee Mungu Nguvu Yetu?*

ANSWER: Kenya

2. *What currency does that country use?*

ANSWER: Kenyan shilling

What do you think of these sub-questions? Do you have any changes to make?

Please click Enter to continue

Enter

Again, once you have rephrased all the sub-questions, you will write a confirmation question.

Then we'll put all of those pieces together to send to the User.

Complex Question Dialogue

TARGET QUESTION: "The country that has the national anthem Ee Mungu Nguvu Yetu accepts what currency?"

Your task is to rephrase the sub-questions into more natural-sounding English, then ask confirmation questions to the User as needed.

Remember, there will be an opportunity for feedback at the end. If at any point you are confused by the questions, please just do your best to follow the prompts, but report this issue in the feedback section at the end.

[LINK TO TUTORIAL]

2. What currency does that country use?

ANSWER: Kenyan shilling

What do you think of these sub-questions? Do you have any changes to make?

User:

No action needed.



Directions:

The User does not have any corrections to make. Here is the full process, summarized:

The Target Question was "The country that has the national anthem Ee Mungu Nguvu Yetu accepts what currency?", which has been broken into the following sub-questions:

Please click Enter to continue

Enter

This time the User doesn't have any corrections, which is great! That means that the system got the answer right on the first try.

Complex Question Dialogue

TARGET QUESTION: "The country that has the national anthem Ee Mungu Nguvu Yetu accepts what currency?"

Your task is to rephrase the sub-questions into more natural-sounding English, then ask confirmation questions to the User as needed.

Remember, there will be an opportunity for feedback at the end. If at any point you are confused by the questions, please just do your best to follow the prompts, but report this issue in the feedback section at the end.

[LINK TO TUTORIAL]

Directions:

The User does not have any corrections to make. Here is the full process, summarized:

The Target Question was "The country that has the national anthem Ee Mungu Nguvu Yetu accepts what currency?", which has been broken into the following sub-questions:

1. *What country has the national anthem Ee Mungu Nguvu Yetu?*"

ANSWER: Kenya

2. *What currency does that country use?*"

ANSWER: Kenyan shilling

Thus, the final answer is Kenyan shilling.

None

Enter

Because there aren't any edits to make, we'll proceed straight to the next step, where we'll show them your rephrased sub-questions, their answers, and the final question and answer.

Sometimes you will run into sub-questions that are really confusing and don't seem to make any sense at all. Here's an example for you.

Directions:

The target question has been broken into the following sub-questions. You will rephrase each one while trying to preserve the content each. Note that these may not be the correct sub-questions for the target question, but for now don't worry about that. We will fix that part later.

SUB-QUESTIONS:

1. What is/are the location contained in [midlothian]?

ANSWER: Dalkeith, Danderhall, Bonnyrigg, Penicuik, Loanhead

2. Of which, the location in which the writer of what resided?

ANSWER: Lincoln, Neubiberg, Chaguaramas, Trinidad, Loughcrew, Konedobu

3. Of which, what is/are the country that contains [pitcairn islands]?

ANSWER: NONE



Enter

Target Question: What country is both home to Midlothian Scotland and the Pitcairn Islands?

You'll notice that question 2 is especially bizarre and hard to make sense of.

Unfortunately, this happens sometimes! You should just rephrase it as best as you can. When you come across these, make sure that you mention them in the feedback box at the end of the dialogue.

Complex Question Dialogue

TARGET QUESTION: "What country is both home to Midlothian Scotland and the Pitcairn Islands?"

Your task is to rephrase the sub-questions into more natural-sounding English, then ask confirmation questions to the User as needed.

Remember, there will be an opportunity for feedback at the end. If at any point you are confused by the questions, please just do your best to follow the prompts, but report this issue in the feedback section at the end.

[LINK TO TUTORIAL]

REPHRASE:

"What is/are the location contained in [midlothian]?"

Volume

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Agent (You):

What locations are in Midlothian?

Directions:

Now rephrase the second sub-question in your own words.

REPHRASE:

"Of which, the location in which the writer of what resided?"

Of these locations, which is the one where the writer of what lived?

Enter

Here's an example of how you could rephrase this weird question. It's not perfect, but you can take your best guess at what the meaning might be.

You'll also see that there are entities that don't make sense in context. Here's an example.

Complex Question Dialogue

TARGET QUESTION: "What is the state slogan of the US state that has a capital of Frankfort?"

Your task is to rephrase the sub-questions into more natural-sounding English, then ask confirmation questions to the User as needed.

Remember, there will be an opportunity for feedback at the end. If at any point you are confused by the questions, please just do your best to follow the prompts, but report this issue in the feedback section at the end.

[LINK TO TUTORIAL]

Directions:

The Target Question has been broken into the following sub-questions. You will rephrase them trying to preserve the content of each. Note that these may not be the correct sub-questions for the Target Question, but for now don't worry about that. We will fix that part later.

SUB-QUESTIONS:

1. What is/are the person that said '[frankfor]'?

ANSWER: NONE

2. What is/are the capital of that entity?

ANSWER: NONE

Please click Enter to continue

The Target Question is
“What is the state slogan
of the US state that has a
capital of Frankfort?”

However, the system has
predicted a wrong
sub-question! It
predicted “What is/are
the person that said
Frankfort?”

Obviously, this isn't quite
right. But you'll have to
rephrase this
sub-question anyway.

1. What is/are the person that said 'frankfort'?

ANSWER: NONE

2. What is/are the capital of that entity?

ANSWER: NONE

Directions:

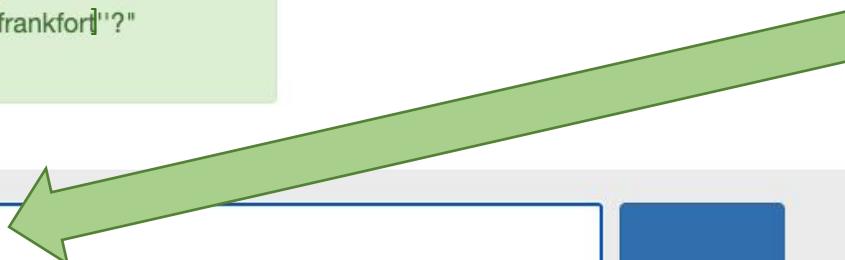
First, rephrase the first sub-question in your own words.

REPHRASE:

"What is/are the person that said 'frankfort'?"

Who said the quote "frankfort"?

Enter



In these cases, you can see that the system thinks that “Frankfort” is a quote. When you reword the question, you can pretend that it IS a quote.

Here's an example of how you could reword it.

If it isn't clear what the question is trying to say, just take your best guess!

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Agent (You):

Who was the spouse of Cher and produced The Sonny Side of Cher?

Directions:

The Target Question has been broken into the following sub-questions. You will rephrase each one while trying to preserve the content of each. Note that these may not be the correct sub-questions for the Target Question, but for now don't worry about that. We will fix that part later.

SUB-QUESTIONS:

NONE PREDICTED



Please click Enter to continue

Enter

You might see Target Questions that don't have any predicted sub-questions, like this one.

That just means the system was totally confused by the question and couldn't come up with anything that made sense. We'll fix it as we go through the dialogue as normal.

1. [connecticut] is/are the district for which what is a politician ([united states senator])?

ANSWER: Joseph Roswell Hawley, Francis T. Maloney, Eliphalet Dyer, Gideon Tomlinson, Roger Sherman, ...

2. Of which, what is/are the person who held his governmental position from 1983?

ANSWER: Joe Lieberman

Directions:

First, rephrase the first sub-question in your own words.

REPHRASE:

"[connecticut] is/are the district for which what is a politician (**United States senator**)?"

Who is a US senator that represents Connecticut?

Enter

You might also see sometimes that there are phrases/words in parenthesis, like here.

This is just extra information for the sub-question and you should feel free to incorporate it into your rephrasing without the parentheses. For example, you could reword this question to something like this.

Agent (You):

What other occupations did the composer of "We Hail Thee Carolina" hold?

Directions:

The Target Question has been broken into the following sub-questions. You will rephrase each one while trying to preserve the content of each. Note that these may not be the correct sub-questions for the Target Question, but for now don't worry about that. We will fix that part later.

SUB-QUESTIONS:

1. That entity is/are the person whose occupation is what?

ANSWER: NONE

Please click Enter to continue

Enter

Another odd issue is that sometimes the system predicts only the second sub-question and refers to "that entity". The first question will get filled in later, so it will make more sense at the end. For now, if the template tells you the category of that entity, feel free to use that to rephrase.

In this example, it's clear that "that entity" is a person, so you could rephrase it to something like "What is the occupation of that person?"

However, if it isn't clear enough, you can use "that entity" instead. But use something more specific whenever possible!

Lastly, you might see questions that are asking about a superlative (biggest, earliest, tallest, etc.) but don't use quite the right word for it. Here's an example of what we mean.

Complex Question Dialogue

TARGET QUESTION: "When did the champion of the 1999 World Series win their first World Series?"

Your task is to rephrase the sub-questions into more natural-sounding English, then ask confirmation questions to the User as needed.

Remember, there will be an opportunity for feedback at the end. If at any point you are confused by the questions, please just do your best to follow the prompts, but report this issue in the feedback section at the end.

[LINK TO TUTORIAL]

Directions:

The Target Question has been broken into the following sub-questions. You will rephrase each one while trying to preserve the content of each. Note that these may not be the correct sub-questions for the Target Question, but for now don't worry about that. We will fix that part later.

SUB-QUESTIONS:

1. What is/are the team(s) that won [1999 world series] championship(s)?

ANSWER: New York Yankees

2. that entity is/are the team(s) that won what championship(s)?

ANSWER: 1923 World Series, 1927 World Series, 1928 World Series, 1932 World Series, 1936 World Series

3. Of these, which is the smallest?

ANSWER: 1923 World Series



Please click Enter to continue

Enter

Here the Target Question is: "When did the champion of the 1999 World Series win their first World Series?"

You'll notice that the answer to sub-question 2 is a list of some of the championships that the Yankees have won. Question #3 asks which of these is the smallest, which doesn't really make sense!

REPHRASE:

"that entity is/are the team(s) that won what championship(s)?"

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Agent (You):

What other championships has that team won?

Directions:

Now rephrase the next sub-question in your own words.

REPHRASE:

"Of these, which is the **smallest**?"

Of the above listed, which one is the **earliest** victory?

Enter

When it is time to rephrase this question, you should change it to a word that makes sense with the context. Here we used "earliest", since we're talking about dates.

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Directions:

The Target Question has been broken into the following sub-questions. You will rephrase each one while trying to preserve the content of each. Note that these may not be the correct sub-questions for the Target Question, but for now don't worry about that. We will fix that part later.

SUB-QUESTIONS:

1. [madrid] is/are the travel destination where you can visit the attraction(s) what?

ANSWER: El Escorial, Palace of la Bolsa de Madrid, Museum of Lázaro Galdiano, Gran Vía, La Vaguada, ...

2. Of which, these entities are the structure on which construction started in what?

ANSWER: El Escorial

3. Of these, which is the entity associated with the latest date?

ANSWER: Royal Palace of Madrid

Please click Enter to continue

Enter

Sometimes the “superlative question” will say something like “*Of these, which is associated with the earliest (or latest) date?*” This just means that the answer is supposed to be an entity, not a date. In this case, you could reword it to something like:

“*Of these structures, which one was constructed the latest?*”

This is the end of this tutorial, but here's a handy list of “Do’s” and “Don’t’s for this task.

“Do’s

- **DO** change “that entity” to the category of the entity:
 - “that entity is/are the team with the mascot what?”
 - “What is the mascot of that team?”
- **DO** preserve the meaning of the question!
- **DO** focus on the meaning of the question even if the entities (in brackets) don’t make sense.
- **DO** at the end of the dialogue, check if the corrected sub-questions match the Target Question. If they do not, please make a note of this in the feedback section.
- **DO** make sure the correct superlative question word is used, when appropriate.

“Don’t’s

- **DON’T** change “that entity” to the answer itself:

“that entity is/are the team with the mascot what?” → “What is the mascot of the Arizona Cardinals?”
- **DON’T** change the meaning of the question, even if the entity doesn’t make sense:

“What is/are the sports in Reggie Bush?” →

 - *What sport is Reggie Bush in?*
 - *Reggie Bush contains what sports?*
- **DON’T** change entities!

[United States Senate] → congress