

Conversation Transcripts

Below are sample conversations between a user and the rubber duck chatbot. Each of these scenarios will cover common programming errors. The user asks the chatbot for assistance, providing snippets of their code for context.

Scenario 1

The user is attempting to debug the error “list index out of range” in python.

The user starts by typing this error message into the chatbot prompt “IndexError: list index out of range python”

```
Welcome to team CALIBAN AI chatbot! How can I help you?

> IndexError: list index out of range python
Is this question similar to what you are looking for?:

I'm newbie with python and just stuck with my code. Basically I need check Norwegian VATs, in this case I'm using
http://w2.brreg.no/enhet/sok/detalj.jsp?orgnr= website, . When I put in VatNo correct one I get:
But if I put incorrect VAT then working well..

Here are some answers related to this question:

Answer : 1
It seems like that re.findall("Du har oppgitt et ugyldig organisasjonsnummer",page) returns an empty list, as mentioned by @sashaaero.

Answer : 2
To correct the code you can do:

If you are not satisfied with this answer, please provide more details to your question. This can include errors that you are facing. Else key in 'quit' or 'exit' to close me.

> 
```

The chatbot responds with matching suggestions and prompts the user to provide more details or specific errors if not satisfied. The user then keys in additional details including the python version as shown below.

Scenario 2

The user tried to reference the `TfidfVectorizer` function in python code and got a “`NameError: name 'TfidfVectorizer' is not defined`”. Below are the debugging steps and the suggestions from chatbot.

```
Welcome to team CALIBAN AI chatbot! How can I help you?

> name 'TfidfVectorizer' is not defined
Is this question similar to what you are looking for?:

I'm trying to build an API on Django REST framework but when I try to use the POST method I get this error:

Here are some answers related to this question:

In your post method you use the serializer often, but that variable does not exist, nor did you import something with the name serializer.

Very likely you construct the serializer through the serializer_class, you thus fix this with:

If you are not satisfied with this answer, please provide more details to your question. This can include errors that you are facing. Else key in 'quit' or 'exit' to close me.

> 
```

The cause of this error happens when the `TfidfVectorizer` module is referenced before being imported. The chatbot suggests importing a serializer which confirms that the user was able to debug the issue at hand.

Scenario 3

The user faced a database connection error and used a generic query to search for a solution through the chatbot. The user keys in “SQL Server database connection” to the chatbot prompt as indicated below.

Welcome to team CALIBAN AI chatbot! How can I help you?

> SQL Server database connection

Here are some answers related to this question:

logger.debug('string') is a great way to test out channels in development. you can change the channel's verbosity later so you don't even have to edit out the debug statements in case it starts acting up again.

If you are not satisfied with this answer, please provide more details to your question. This can include errors that you are facing. Else key in 'quit' or 'exit' to close me.

>

The user then tries to rephrase the query to “SQL Server database connection string syntax”.

Chatbot however doesn't get a matching response and instead returns an empty set and prompts the user for more details.

> SQL Server database connection string syntax

Sorry, I could not find a relevant answer to your question. Please rephrase your question and include specific details e.g errors or key words.

>

The user rephrases the query to include a specific platform “Error establishing a database connection with Amazon”. This time, the chatbot gets a matching response.

> Error establishing a database connection Amazon

Is this question similar to what you are looking for?:

I have been running this wordpress site for a long time with no issues, however have recently been getting the error "Error establishing a database connection". If I restart mySQL the problem is temporarily fixed but will soon come back.

Here are some answers related to this question:

It's problem with your server memory. From your MySQL Log File we can get that InnoDB plugin failed to start due to unable to Initializing buffer pool. So any tables with InnoDB storage cause errors.

Your workaround solution

If I restart mySQL the problem is temporarily fixed but will soon come back.

works because you get some free memory after restarting MySQL.

If you are not satisfied with this answer, please provide more details to your question. This can include errors that you are facing. Else key in 'quit' or 'exit' to close me.

The user is satisfied and quits the chatbot application.

If you are not satisfied with this answer, please provide more details to your question. This can include errors that you are facing. Else key in 'quit' or 'exit' to close me.

> quit
Goodbye!