CODE

Step 1: Install Required Libraries

Install the ChatterBot library using pip to get started on your chatbot journey.

Python

pip install chatterbot

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Step 2: Import Necessary Libraries

Import ChatterBot and its corpus trainer to set up and train the chatbot.

Python

from chatterbot import ChatBot

from chatterbot.trainers import ChatterBotCorpusTrainer

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Step 3: Create and Name Your Chatbot

Create your chatbot instance and name it something memorable.

Python

chatbot = ChatBot('MyChatBot')

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Step 4: Train Your Chatbot with a Predefined Corpus

Use the ChatterBotCorpusTrainer to train your chatbot using an English language corpus.

Python

trainer = ChatterBotCorpusTrainer(chatbot)

trainer.train("chatterbot.corpus.english")

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Step 5: Test Your Chatbot

Interact with your chatbot by requesting a response to a greeting.

Python

response = chatbot.get\_response("Hello, how are you?")

print(response)

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Step 6: Train Your Chatbot with Custom Data

Make your chatbot more specific by training it with a list of your custom responses.

Python

from chatterbot.trainers import ListTrainer

trainer = ListTrainer(chatbot)

trainer.train([

"How are you?",

"I am good.",

"That is good to hear.",

"Thank you",

"You're welcome."

])

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Step 7: Integrate Your Chatbot into a Web Application

Use Flask to create a web interface for your chatbot, allowing users to interact with it through a browser.

Python

from flask import Flask, render\_template, request

app = Flask(\_\_name\_\_)

@app.route("/")

def home():

return render\_template("index.html")

@app.route("/get")

def get\_bot\_response():

userText = request.args.get('msg')

return str(englishBot.get\_response(userText))

if \_\_name\_\_ == "\_\_main\_\_":

app.run()

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By following these steps, you'll have a functional Python AI chatbot that can integrated into the web applications.