

Chat bot :-

This code defines a simple chatbot that responds to user inputs based on predefined responses. Here's an explanation of each part of the code:

1. ``import random`` : Imports the ``random`` module to generate random responses from the list of possible responses.
2. ``responses`` : A dictionary containing different responses for different user inputs. Each key is a user input message, and the corresponding value is a list of possible responses for that message.
3. ``get_response(message)`` : A function that takes a user message as input, converts it to lowercase, and returns a random response from the ``responses`` dictionary based on the message. If the message is not found in the ``responses`` dictionary, it returns a default response.
4. ``main()`` : The main function of the chatbot. It prints a welcome message, prompts the user for input in a loop, and prints the bot's response. The loop continues until the user enters "bye", at which point the chatbot responds with a goodbye message and exits the loop.
5. ``if __name__ == "__main__":`` : This line ensures that the ``main()`` function is only executed if the script is run directly (not imported as a module in another script).

When you run this script, the chatbot will greet you, respond to your messages based on the predefined responses, and exit when you type "bye".