```
# Import necessary libraries
import re
import random
# Define a dictionary to store user input and corresponding responses
responses = {
    "hello": ["Hello!", "Hi there!", "Hey!"],
    "how are you": ["I'm good, thank you!", "I'm doing well, thanks for
asking!"],
    "bye": ["Goodbye!", "See you later!", "Bye!"]
}
# Define a function to process user input and generate a response
def chatbot(input_text):
    input_text = input_text.lower() # Convert input to lowercase
    response = "I'm sorry, I don't understand." # Default response
    # Check if input matches any key in the responses dictionary
    for key in responses:
        if re.search(key, input_text):
             response = random.choice(responses[key])
             break
    return response
# Main function to interact with the user
def main():
    print("Welcome to the chatbot!")
    while True:
        user_input = input("You: ")
        if user_input.lower() == "exit":
             print("Chatbot: Goodbye!")
             break
        else:
             bot_response = chatbot(user_input)
             print("Chatbot:", bot_response)
# Call the main function to start the chatbot
if _name_ == "_main_":
    main()
```