**Creating a chatbot in Python**

DeeInvolves several steps, and there are different approaches you can take, from rule-based to machine learning-based chatbots. Here's a simplified example of creating a rule-based chatbot in Python:

Coding in python :

# Import necessary libraries

import random

# Define a dictionary of responses

responses = {

"hello": ["Hi there!", "Hello!", "Hey!"],

"how are you": ["I'm good, thanks!", "I'm just a bot, but I'm here to help!", "I don't have feelings, but I'm ready to assist!"],

"bye": ["Goodbye!", "See you later!", "Have a great day!"],

"default": ["I'm not sure I understand.", "Could you please rephrase that?", "I'm just a simple bot."]

}

# Define a function to generate responses

def get\_response(input\_text):

input\_text = input\_text.lower()

for key in responses:

if key in input\_text:

return random.choice(responses[key])

return random.choice(responses["default"])

# Main loop

while True:

user\_input = input("You: ")

if user\_input.lower() == "exit":

print("Chatbot: Goodbye!")

break

response = get\_response(user\_input)

print("Chatbot:", response)

×This code creates a simple rule-based chatbot that responds to specific keywords/phrases.

× You can expand the responses dictionary to include more conversational phrases and keywords.

Keep in mind that this is a basic example:

For more advanced chatbots, you might want to explore natural language processing libraries like NLTK or spaCy or even consider machine learning-based approaches using frameworks like TensorFlow or PyTorch for more complex conversational agents.

Additionally, integrating your chatbot with external APIs or databases can enhance its capabilities and make it more useful for specific tasks.