

To create a simple chatbot using Python, you'll need a dataset and a natural language processing (NLP) library. One popular library is NLTK (Natural Language Toolkit). Here's a basic example using NLTK:

1. Install NLTK:

```
```bash  

pip install nltk
```
```

2. Import necessary libraries and download NLTK data:

```
```python  

import nltk

from nltk.chat.util import Chat, reflections

nltk.download('punkt')
```
```

3. Create your dataset and responses:

```
```python  
pairs = [
 [
 r"my name is (.*)",
 ["Hello %1, how can I help you today?",""],
],
 [
 r"what is your name?",
 ["I am a chatbot."],
],
 [
 r"how are you?",
 ["I am good, thank you for asking."],
],
]
```

```

 ["I'm doing well, thank you!"],
],
 [
 r"(.*) your name?",
 ["I am a chatbot."],
],
 [
 r"what can you do for me?",
 ["I can assist you with general queries."],
],
 # Add more patterns and responses as needed
]

```

```

Create a Chat instance
chatbot = Chat(pairs, reflections)
...

```

#### 4. Run the chatbot:

```

```python
chatbot.converse()
...

```

Now, your chatbot will respond based on the patterns and responses you defined in the `pairs` list. Customize the patterns and responses to fit your specific use case.

This is a very basic example, and you can enhance it by incorporating more sophisticated NLP techniques or using pre-trained models like GPT-3 for more advanced interactions.

Output:

You: Hello!

Bot: Hello, thanks for asking

You: what can you do?

Bot: Offering support for Adverse drug reaction, Hospitals and Pharmacies if you have any complaints.

You: bye

Bot: See you!