

```
# 1.) Importing the neccessary files.
```

```
import pandas as pd
from textblob import TextBlob
```

```
# 2.) Loading the dataset.
```

```
data = pd.read_csv('/content/Combined Data.csv')
```

```
print(data.head())
```

	Unnamed: 0	statement	status
0	0	oh my gosh	Anxiety
1	1 trouble sleeping, confused mind, restless hear...	Anxiety	
2	2 All wrong, back off dear, forward doubt. Stay ...	Anxiety	
3	3 I've shifted my focus to something else but I'...	Anxiety	
4	4 I'm restless and restless, it's been a month n...	Anxiety	

```
# 3.) Simplest Chatbot Logic (Detecting Good vs Bad statements)
```

```
def simple_chatbot():
```

```
    print("WELCOME TO YOUR AI MENTAL HEALTH COMPANION")
```

```
    print("How are you feeling today? (Type 'quit' to exit)")
```

```
    while True:
```

```
        user_input = input("You: ")
```

```
        if user_input.lower() == 'quit':
```

```
            print("Chatbot: Goodbye! Take care of yourself.")
```

```
            break
```

```
        analysis = TextBlob(user_input)
```

```
        if analysis.sentiment.polarity < 0:
```

```
            print("Chatbot: I'm sorry you're feeling this way. It's okay to have bad days. Would you like some")
```

```
        elif analysis.sentiment.polarity > 0:
```

```
            print("Chatbot: That's wonderful to hear! I'm glad you're having a good day. Keep that positive en")
```

```
        else:
```

```
            print("Chatbot: Thank you for sharing. I'm here to listen whenever you need to talk.")
```

```
if __name__ == "__main__":
    simple_chatbot()
```

```
WELCOME TO YOUR AI MENTAL HEALTH COMPANION
```

```
How are you feeling today? (Type 'quit' to exit)
```

```
You: excellnet
```

```
Chatbot: Thank you for sharing. I'm here to listen whenever you need to talk.
```

```
You: excellent
```

```
Chatbot: That's wonderful to hear! I'm glad you're having a good day. Keep that positive energy going!
```

```
You: quit
```

```
Chatbot: Goodbye! Take care of yourself.
```

```
# 4.) Redefining chat bot logic.
```

```
def get_mental_health_response(user_text):
```

```
    sentiment_score = TextBlob(user_text).sentiment.polarity
```

```
    if sentiment_score < -0.2:
```

```
        mood = "Negative/Stressed"
```

```
        response = "Bot: I can feel that you're stressed. Please take 5 deep breaths. You're not alone!"
```

```
    elif sentiment_score > 0.2:
```

```
        mood = "Positive/Happy"
```

```
        response = "Bot: It's wonderful to see you feeling so positive! Keep that momentum going."
```

```
    else:
```

```
        mood = "Neutral"
```

```
        response = "Bot: I'm here to listen. Feel free to tell me more about what's on your mind."
```

```
    return mood, response
```

```
user_input = "I feel really overwhelmed by my college assignments today."
```

```
mood, bot_reply = get_mental_health_response(user_input)
```

```
print(f"User Input: {user_input}")
```

```
print(f"Detected Mood: {mood}")
```

```
print(bot_reply)
```

```
User Input: I feel really overwhelmed by my college assignments today.
```

```
Detected Mood: Neutral
```

```
Bot: I'm here to listen. Feel free to tell me more about what's on your mind.
```

```
# 5.) Project wrap up
def run_companion():
    print("Mental Health Companion Final Version")
    while True:
        user_input = input("\nHow are you feeling? (type 'exit' to stop): ")
        if user_input.lower() == 'exit':
            print("Take care! Goodbye.")
            break

        mood, response = get_mental_health_response(user_input)
        print(f"Detected Mood: {mood}")
        print(f" {response}")

run_companion()
```

Mental Health Companion Final Version

```
How are you feeling? (type 'exit' to stop): excellent
Detected Mood: Positive/Happy
Bot: It's wonderful to see you feeling so positive! Keep that momentum going.

How are you feeling? (type 'exit' to stop): bad
Detected Mood: Negative/Stressed
Bot: I can feel that you're stressed. Please take 5 deep breaths. You're not alone!

How are you feeling? (type 'exit' to stop): neither good nor bad
Detected Mood: Neutral
Bot: I'm here to listen. Feel free to tell me more about what's on your mind.

How are you feeling? (type 'exit' to stop): exit
Take care! Goodbye.
```