1. Write a program that acts as a chatbot for any of your selected domains (e.g., help desk, consultation). You need the main keywords and related variables in your domain to obtain the expected questions and the proposed answers. For example,

**Chatbot: Good Morning, I am Andreo, a chatbot to help you to give a quick medical advice**

User: Good morning

**Chatbot: How are you today**

User: I am fine, Thank you

**Chatbot: How can I help you**

User: I have a headache

**Chatbot: Did you sleep well**

User: Yes

**Chatbot: Did you take Panadol**

User: No

**Chatbot: I advice to take Panadol.**

User: Thanks

You may need a trimmer and if you prefer to use Python, you can use some useful libraries such as NLTK and FlashText library. You may also use tokenize module.

You can get benefit of the user from some words that your chatbot do not understand and add it to your dictionary. For example

User: Do I have alternatives?

**Chatbot: What do you mean by alternatives?**

User: Choices

**Chatbot: Thank you, Yes you have.**

Your chatbot can now add the word of alternatives with other meaning of choices in its dictionary, so that next time, if the user says

User: What are my alternatives

**Chatbot: Sleep, read or play football.**