

## College admission:

### Code:

```
import re

class AdmissionBot:

    def __init__(self):

        self.context = {'procedure': "The admission procedure involves filling out an online application form and submitting required documents.",

                        'requirement': "The admission requirements include a high school diploma or equivalent, standardized test scores, and letters of recommendation.",

                        'deadline': "The admission deadline for the upcoming semester is March 15th."}

    def respond(self, user_input):

        response = ""

        # Check if the user input contains keywords to identify the query type
        if re.search(r'\b(admission|procedure|requirement|deadline)\b', user_input, re.IGNORECASE):

            response = self.handle_admission_query(user_input)

        elif re.search(r'\b(thank you|thanks)\b', user_input, re.IGNORECASE):

            response = "You're welcome!"

        else:

            response = "I'm sorry, I didn't understand that. Could you please rephrase your question?"

        return response

    def handle_admission_query(self, user_input):

        for key, value in self.context.items():

            if re.search(r'\b' + key + r'\b', user_input, re.IGNORECASE):

                return value

        return "I'm sorry, I don't have the information for that. Could you please specify your query further?"

    def chat(self):
```

```
print("Welcome to the College Admission Bot. How can I assist you today?")

while True:

    user_input = input("You: ")

    if user_input.lower() == 'exit':

        print("Thank you for using the College Admission Bot. Goodbye!")

        break

    response = self.respond(user_input)

    print("Bot:", response)


if __name__ == "__main__":

    bot = AdmissionBot()

    bot.chat()
```

#### **outcome:**

Welcome to the College Admission Bot. How can I assist you today?

You: What is the admission procedure?

Bot: The admission procedure involves filling out an online application form and submitting required documents.

You: What are the admission requirements?

Bot: The admission requirements include a high school diploma or equivalent, standardized test scores, and letters of recommendation.

You: When is the admission deadline?

Bot: The admission deadline for the upcoming semester is March 15th.

You: Thanks!

Bot: You're welcome!

You: Can you tell me more about financial aid?

Bot: I'm sorry, I don't have the information for that. Could you please specify your query further?

You: Exit

Thank you for using the College Admission Bot. Goodbye!