

Practical No: 2

Chatbot

AIM: Design a Chatbot using AIML

Code:

Open cmd and install pip –

```
pip install aiml  
pip install python-aiml
```

Prac2.py

```
import aiml  
kernel = aiml.Kernel()  
kernel.learn("std-startup.xml")  
kernel.respond("load aiml b")  
while True:  
    input_text = input(">Human: ")  
    response = kernel.respond(input_text)  
    print(">Bot: "+response)
```

Basic_chat.aiml

```
<aiml version="1.0.1" encoding="UTF-8">  
<!-- basic_chat.aiml -->  
    <category>  
        <pattern>HELLO *</pattern>  
        <template>  
            Well, Hello Ninad!  
        </template>  
    </category>  
    <category>  
        <pattern>WHAT ARE YOU</pattern>  
        <template>  
            I'm a bot, and I'm silly!  
        </template>  
    </category>  
  
    <category>  
        <pattern>WHAT DO YOU DO</pattern>  
        <template>  
            I'm here to motivate you!  
        </template>  
    </category>  
    <category>  
        <pattern>WHO AM I</pattern>
```

```
<template>
  You are a Professional Footballer....
</template>
</category>
</aiml>
```

std-startup.xml

```
<aiml version="1.0.1" encoding="UTF-8">
  <!-- std-startup.xml -->
  <!-- Category is an atomic AIML unit -->
  <category>
    <!-- Pattern to match in user input -->
    <!-- If user enters "LOAD AIML B" -->
    <pattern>LOAD AIML B</pattern>
    <!-- Template is the response to the pattern -->
    <!-- This learn an aiml file -->
    <template>
      <learn>basic_chat.aiml</learn>
      <!-- You can add more aiml files here -->
      <!--<learn>more_aiml.aiml</learn>-->
    </template>
  </category>
</aiml>
```

Output:-

```
===== RESTART: D:\NK\pract2.py =====
Loading std-startup.xml...done (0.02 seconds)
Loading basic_chat.aiml...done (0.00 seconds)
>Human: hello bot
>Bot: Well, Hello Ninad!
>Human: what are you
>Bot: I'm a bot, and I'm silly!
>Human: who am i
>Bot: You are a Professional Footballer....
>Human: what do you do
>Bot: I'm here to motivate you!
>Human:
```