***CHATBOT code***

**main.py**

|  |
| --- |
| from flask import Flask, render\_template, request, jsonify |
|  | import aiml |
|  | import os |
|  |  |
|  | app = Flask(\_\_name\_\_) |
|  |  |
|  | @app.route("/") |
|  | def hello(): |
|  | return render\_template('chat.html') |
|  |  |
|  | @app.route("/ask", methods=['POST']) |
|  | def ask(): |
|  | message = request.form['messageText'].encode('utf-8').strip() |
|  |  |
|  | kernel = aiml.Kernel() |
|  |  |
|  | if os.path.isfile("bot\_brain.brn"): |
|  | kernel.bootstrap(brainFile = "bot\_brain.brn") |
|  | else: |
|  | kernel.bootstrap(learnFiles = os.path.abspath("aiml/std-startup.xml"), commands = "load aiml b") |
|  | kernel.saveBrain("bot\_brain.brn") |
|  |  |
|  | # kernel now ready for use |
|  | while True: |
|  | if message == "quit": |
|  | exit() |
|  | elif message == "save": |
|  | kernel.saveBrain("bot\_brain.brn") |
|  | else: |
|  | bot\_response = kernel.respond(message) |
|  | # print bot\_response |
|  | return jsonify({'status':'OK','answer':bot\_response}) |
|  |  |
|  | if \_\_name\_\_ == "\_\_main\_\_": |
|  | app.run(host='0.0.0.0', debug=True) |

***2) CHATBOT program***

**main-raw.py**

|  |
| --- |
| import aiml |
|  | import os |
|  |  |
|  | kernel = aiml.Kernel() |
|  |  |
|  | if os.path.isfile("bot\_brain.brn"): |
|  | kernel.bootstrap(brainFile = "bot\_brain.brn") |
|  | else: |
|  | kernel.bootstrap(learnFiles = os.path.abspath("aiml/std-startup.xml"), commands = "load aiml b") |
|  | kernel.saveBrain("bot\_brain.brn") |
|  |  |
|  | # kernel now ready for use |
|  | while True: |
|  | message = raw\_input("Enter your message to the bot: ") |
|  | if message == "quit": |
|  | exit() |
|  | elif message == "save": |
|  | kernel.saveBrain("bot\_brain.brn") |
|  | else: |
|  | bot\_response = kernel.respond(message) |
|  | print bot\_response |