

CREATING CHATBOT USING PYTHON

CODE:

```
from chatterbot import ChatBot
from chatterbot.conversation import Statement
from chatterbot.trainers import ChatterBotCorpusTrainer

chatBot = ChatBot('ChatBot')
trainer = ChatterBotCorpusTrainer(chatBot)
trainer.train("chatterbot.corpus.english")
print("Hi, I am ChatBot")
while True:
    query = input(">>>")
    print(chatBot.get_response(Statement(text=query, search_text=query)))
```

FLASK:

DATASET NAME: dialogs.txt

HTML FILE NAME: index.html

```
from flask import Flask, render_template, request
from chatterbot import ChatBot
from chatterbot.trainers import ChatterBotCorpusTrainer
import pandas as pd

app = Flask(__name)

chatbot = ChatBot('MyBot')
trainer = ChatterBotCorpusTrainer(chatbot)
trainer.train("chatterbot.corpus.english")
data = pd.read_csv('dialogs.txt')
```

```

@app.route('/')
def chatbot_page():
    return render_template('index.html')

@app.route('/get_response', methods=['POST'])
def get_bot_response():
    user_input = request.form['user_input']
    response = chatbot.get_response(user_input)
    return str(response)

@app.route('/visualize')
def dataset_visualization():
    return data.to_html()

if __name__ == '__main__':
    app.run(debug=True)

```

HTML FILE:

```

<!DOCTYPE html>
<html>
<title>ChatBot</title>
<head>
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.2.1/jquery.min.js"></script>
<style>
    body {
        font-family: monospace;
    }
    h1 {
        background-color: #8080ff;
        color: black;
        display: inline-block;
        font-size: 2em;
        margin: 0;
        padding: 10px;
    }

```

```
}  
#chatbox {  
  margin-left: auto;  
  margin-right: auto;  
  width: 40%;  
  margin-top: 60px;  
}  
#userInput {  
  margin-left: auto;  
  margin-right: auto;  
  width: 40%;  
  margin-top: 60px;  
}  
#textInput {  
  width: 90%;  
  border: none;  
  border-bottom: 3px solid black;  
  font-family: monospace;  
  font-size: 17px;  
}  
.userText {  
  color: black;  
  font-family: monospace;  
  font-size: 17px;  
  text-align: right;  
  line-height: 30px;  
}  
.userText span {  
  background-color: #e699ff;  
  padding: 10px;  
  border-radius: 2px;  
}  
.botText {  
  color: black;  
  font-family: monospace;  
  font-size: 17px;  
  text-align: left;  
  line-height: 30px;  
}  
.botText span {  
  background-color: #ffdd99;  
  padding: 10px;  
  border-radius: 2px;  
}
```

```

#tidbit {
  position: absolute;
  bottom: 0;
  right: 0;
  width: 300px;
}
.boxed {
  margin-left: auto;
  margin-right: auto;
  width: 78%;
  margin-top: 60px;
  border: 1px solid green;
}
.box {
  border: 2px solid black;
}
</style>
</head>
<body>
<center>
<h1>
  AI ChatBot
</h1>
</center>
<div class="box"></div>
<div class="boxed">
<div>
<div id="chatbox">
  <p class="botText">
    <span>Hi! I'm ChatBot</span>
  </p>
</div>
<div id="userInput">
  <input id="textInput" type="text" name="msg" placeholder="Enter message here..." />
</div>
</div>
<script>
function getBotResponse() {
  var rawText = $("#textInput").val();
  var userHtml = '<p class="userText"><span>' + rawText + "</span></p>";
  $("#textInput").val("");
  $("#chatbox").append(userHtml);
  document
    .getElementById("userInput")

```

```
.scrollIntoView({ block: "start", behavior: "smooth" });
$.get("/get", { msg: rawText }).done(function(data) {
  var botHtml = '<p class="botText"><span>' + data + "</span></p>";
  $("#chatbox").append(botHtml);
  document
    .getElementById("userInput")
    .scrollIntoView({ block: "start", behavior: "smooth" });
});
}
$("#textInput").keypress(function(e) {
  if (e.which == 13) {
    getBotResponse();
  }
});
</script>
</div>
</body>
</html>
```