

Home.html:

```
<!DOCTYPE html>

<html>

<head>

<title>Python-Bot</title>

<meta name="viewport" content="width=device-width, initial-scale=1">

<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.2.1/jquery.min.js"></script>

<style>

* {

box-sizing: border-box

}/* Set height of body and the document to 100% */

body, html {

height: 100%;

margin: 0;

font-family: Arial;

}

#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: white;

font-family: monospace;

font-size: 17px;

text-align: right;

line-height: 30px;

}

.userText span {

background-color: #808080;

padding: 10px;

border-radius: 2px;

}

.botText {

color: white;

font-family: monospace;

font-size: 17px;

text-align: left;

line-height: 30px;

}

.botText span {

background-color: #4169e1;

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;
}
img {
border-radius: 50%;
}
```

```
</style>
```

```
</head>
```

```
<body><div>
```

```
<h1 align="center"><b>Welcome to Python-BOT</b></h1>
```

```
<h4 align="center"><b>I'm here to assist you</b></h4>
```

```
<p align="center"></p>
```

```
<div class="boxed">
```

```
<div>
```

```
<div id="chatbox">
```

```
<p class="botText">
```

```
<span>I'm a Python ChatBot-To solve your math Problems</span>
```

```
</p>
```

```
</div>
```

```
<div id="userInput">
```

```
<input id="textInput" type="text" name="msg" placeholder="Message" />
```

```
</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>

</div>

</body>

</html>
```

Chatbot.py

```
import numpy as np
import pandas as pd
import neattext.functions as ntf
import string
import nltk
import random

from sklearn.feature_extraction.text import TfidfVectorizer,CountVectorizer,TfidfTransformer
from sklearn.pipeline import Pipeline
from sklearn.tree import DecisionTreeClassifier

sn=pd.read_csv("C:/Users/amald/OneDrive/Desktop/AI(deepthi)/dialogs.txt",sep='\t',names=['questions','answers'])

print(sn)

user_greetings=["hello",'hi','hai','hiii','hii robo','hai robo','hello how are you doing']
greeting_response=['hai','hello','hi thanks for asking how are you doing']

sn['clean_questions']=sn['questions'].apply(ntf.remove_userhandles)
sn['clean_questions']=sn['clean_questions'].apply(ntf.remove_punctuations)
sn['clean_answers']=sn['answers'].apply(ntf.remove_userhandles)
sn['clean_answers']=sn['clean_answers'].apply(ntf.remove_punctuations)

print(sn)

pipe=Pipeline(steps=[('bow',CountVectorizer()),('tfidf',TfidfTransformer()),('dt',DecisionTreeClassifier())])

pipe.fit(sn['clean_questions'],sn['clean_answers'])

print(pipe)

print("Robo: Wellcome I am Robo I am here to help you regarding all yours questions")

print('--'*30)

user=input("Enter your response:")

for i in list(user_greetings):
    if user==i:
        print(random.choice(greeting_response))
```

```
print('Robo: Please type your question.If you have no question then type bye')

while True :

    question=input('Robo: Enter your question here :')

    q1=pipe.predict([question])[0]

    print('Robo :',q1)

    if (question=='bye'or question=='thank you bye'or question=='ok bike'or question=='bye
robo'or question=='thanks robo bye'):

        print('Robo: bye thanks you for your coperation')

        break

    else :

        print('sorry i dont have any idea about your question,thanks for asking if you have any other
question start the conversation else type bye')

def chat_response(msg):

    return my_bot.get_response(msg)
```

App.py

```
from flask import Flask, render_template, request
import chatbot

app = Flask(__name__)

@app.route("/")
def home():
    return render_template("home.html")

@app.route("/get")
def get_bot_response():
    userText = request.args.get('msg')
    return str(chatbot.chat_response(userText))

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

APP.PY CODE LINK:

https://github.com/AmalDeepthi/python_lover/blob/main/app.ipynb

CHATBOT.PY LINK:

https://github.com/AmalDeepthi/python_lover/blob/main/chatbot.ipynb

HOME.HTML:

https://github.com/AmalDeepthi/python_lover/blob/main/home.html