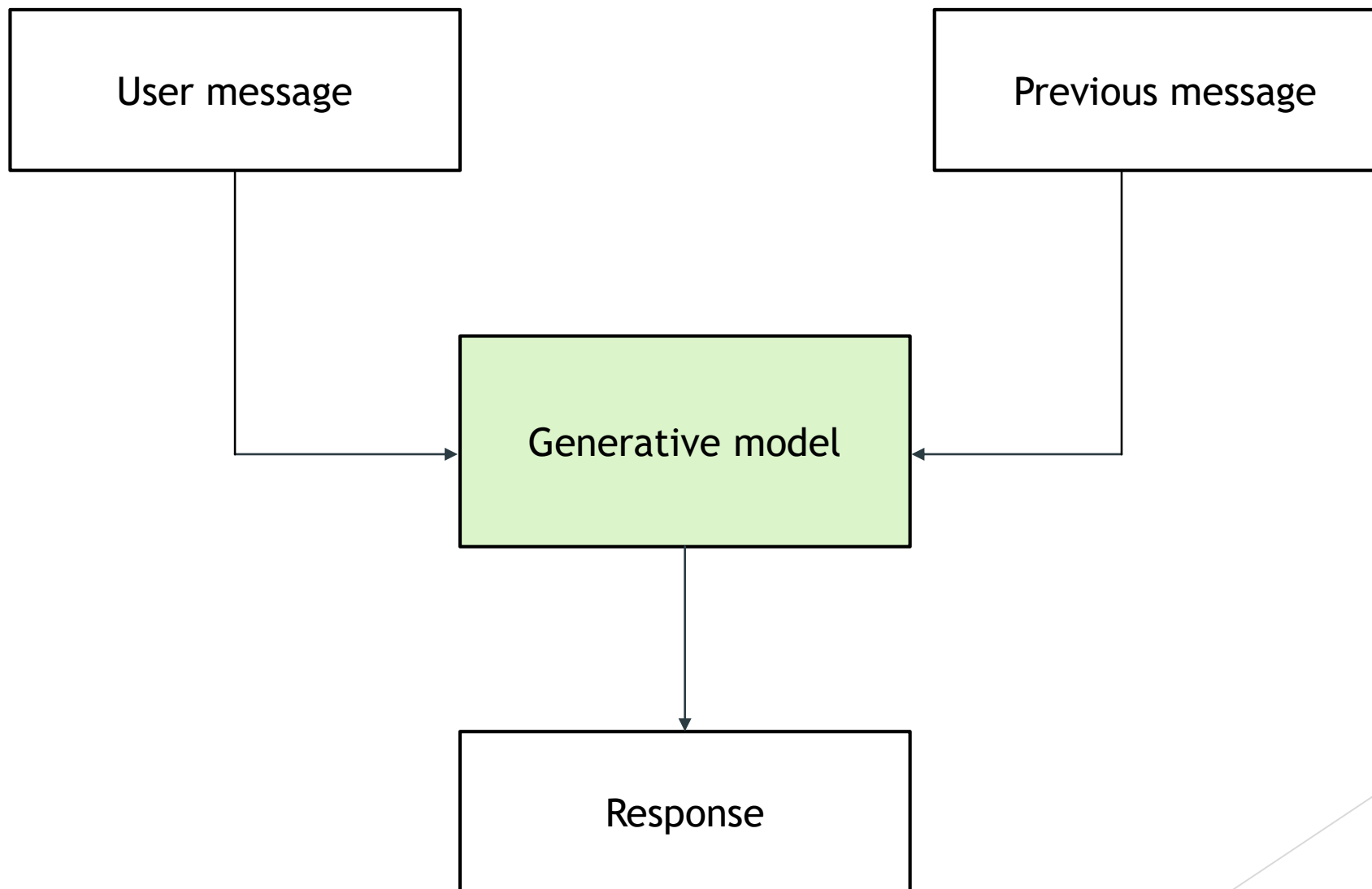
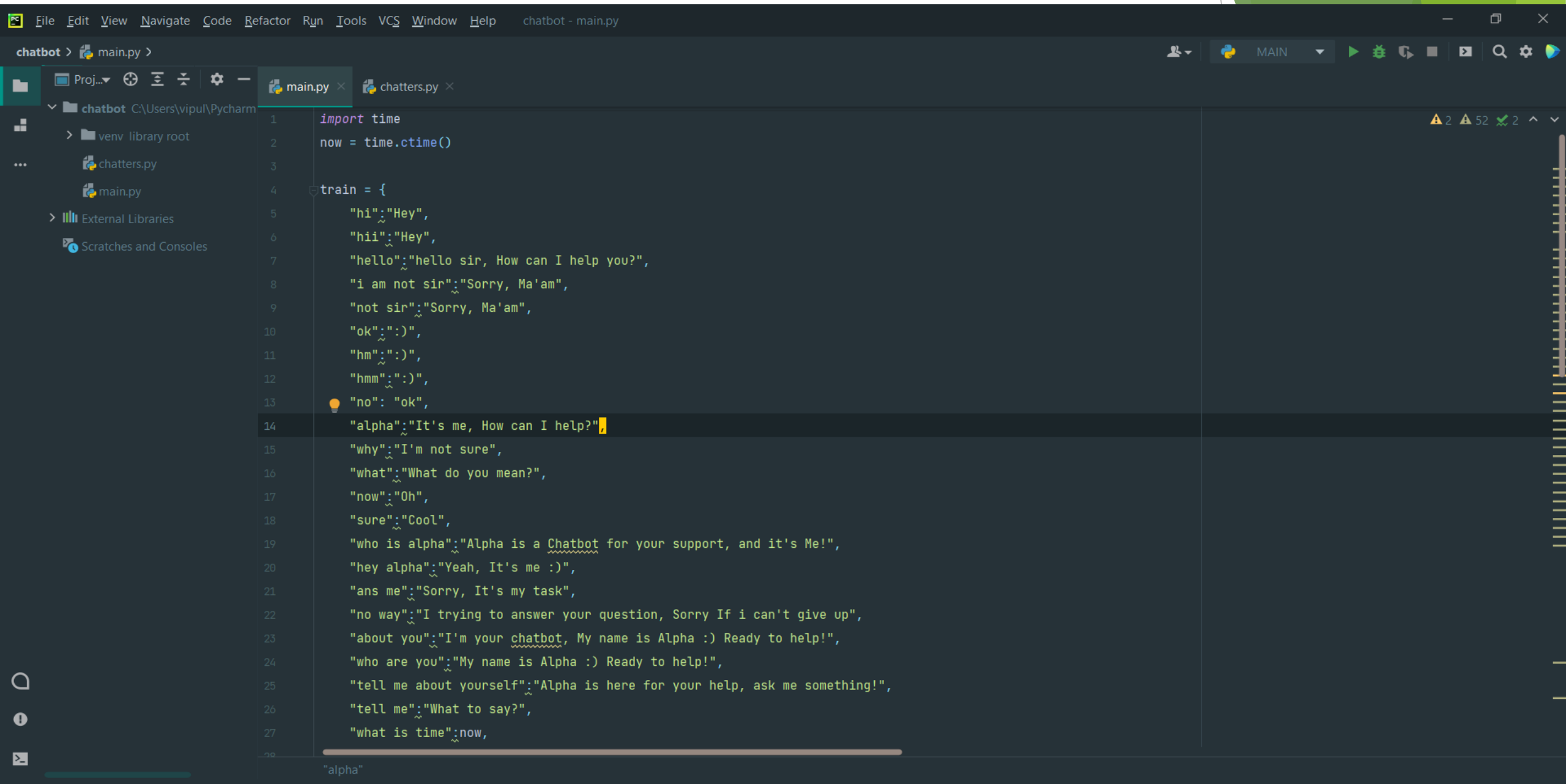


ARCHITECTURE



Training Model : </>



The screenshot shows the PyCharm IDE interface. The top menu bar includes File, Edit, View, Navigate, Code, Refactor, Run, Tools, VCS, Window, and Help. The title bar indicates the current file is 'chatbot - main.py'. The left sidebar shows the project structure for 'chatbot' located at 'C:\Users\vipul\Pycharm', with subfolders 'venv' and 'library root', and files 'chatters.py' and 'main.py'. The main editor window displays the 'main.py' file with the following Python code:

```
1 import time
2 now = time.ctime()
3
4 train = {
5     "hi": "Hey",
6     "hii": "Hey",
7     "hello": "hello sir, How can I help you?",
8     "i am not sir": "Sorry, Ma'am",
9     "not sir": "Sorry, Ma'am",
10    "ok": ":)",
11    "hm": ":)",
12    "hmm": ":)",
13    "no": "ok",
14    "alpha": "It's me, How can I help?",
15    "why": "I'm not sure",
16    "what": "What do you mean?",
17    "now": "Oh",
18    "sure": "Cool",
19    "who is alpha": "Alpha is a Chatbot for your support, and it's Me!",
20    "hey alpha": "Yeah, It's me :)",
21    "ans me": "Sorry, It's my task",
22    "no way": "I trying to answer your question, Sorry If i can't give up",
23    "about you": "I'm your chatbot, My name is Alpha :) Ready to help!",
24    "who are you": "My name is Alpha :) Ready to help!",
25    "tell me about yourself": "Alpha is here for your help, ask me something!",
26    "tell me": "What to say?",
27    "what is time": now,
```

The code defines a dictionary named 'train' containing various user inputs and their corresponding chatbot responses. The 'now' variable is imported from the 'time' module and used in the response for 'what is time'. The IDE interface includes a toolbar with icons for running, debugging, and other development tasks. The status bar at the bottom shows '2' warnings, '52' errors, and '2' successful checks.

chatbot > main.py

Proj.

+

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⚙

main.py ×

chatters.py ×

chatbot C:\Users\vipul\Pycharm

venv library root

chatters.py

main.py

External Libraries

Scratches and Consoles

40

"tell me about ml": "Machine learning is an application of artificial intelligence (AI) that provides systems the ability to automatically learn and

41

"supervised learning": "Supervised learning is the types of machine learning in which machines are trained using well labelled training data, and on basis of that data

42

"unsupervised learning": "Unsupervised learning refers to the use of artificial intelligence (AI) algorithms to identify patterns in data sets containing data points

43

"Reinforcement learning": "Reinforcement learning (RL) is an area of machine learning concerned with how intelligent agents ought to take actions in an environment in

44

"what is ai": "Artificial intelligence is the simulation of human intelligence processes by machines, especially computer systems",

45

"about ai": "Artificial intelligence is the simulation of human intelligence processes by machines, especially computer systems",

46

"ai": "Artificial intelligence is the simulation of human intelligence processes by machines, especially computer systems",

47

": "sorry i didn't get",

48

49

50

51

52

53

}

54

55

56

while True:

57

qs = input()

58

59

60

if(qs == "bye"):

61

break

62

63

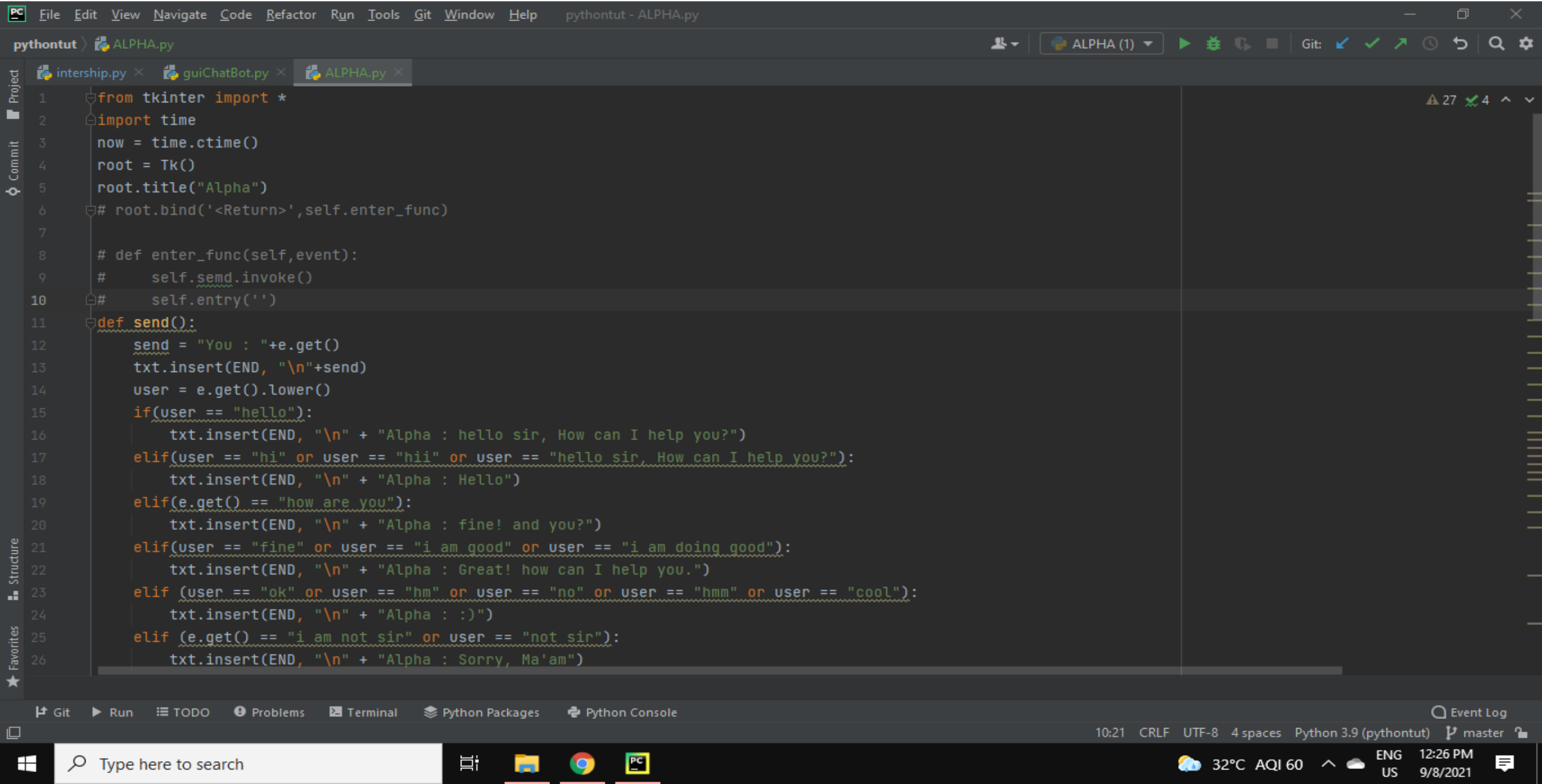
else:

64

print(train[qs])

while True > else

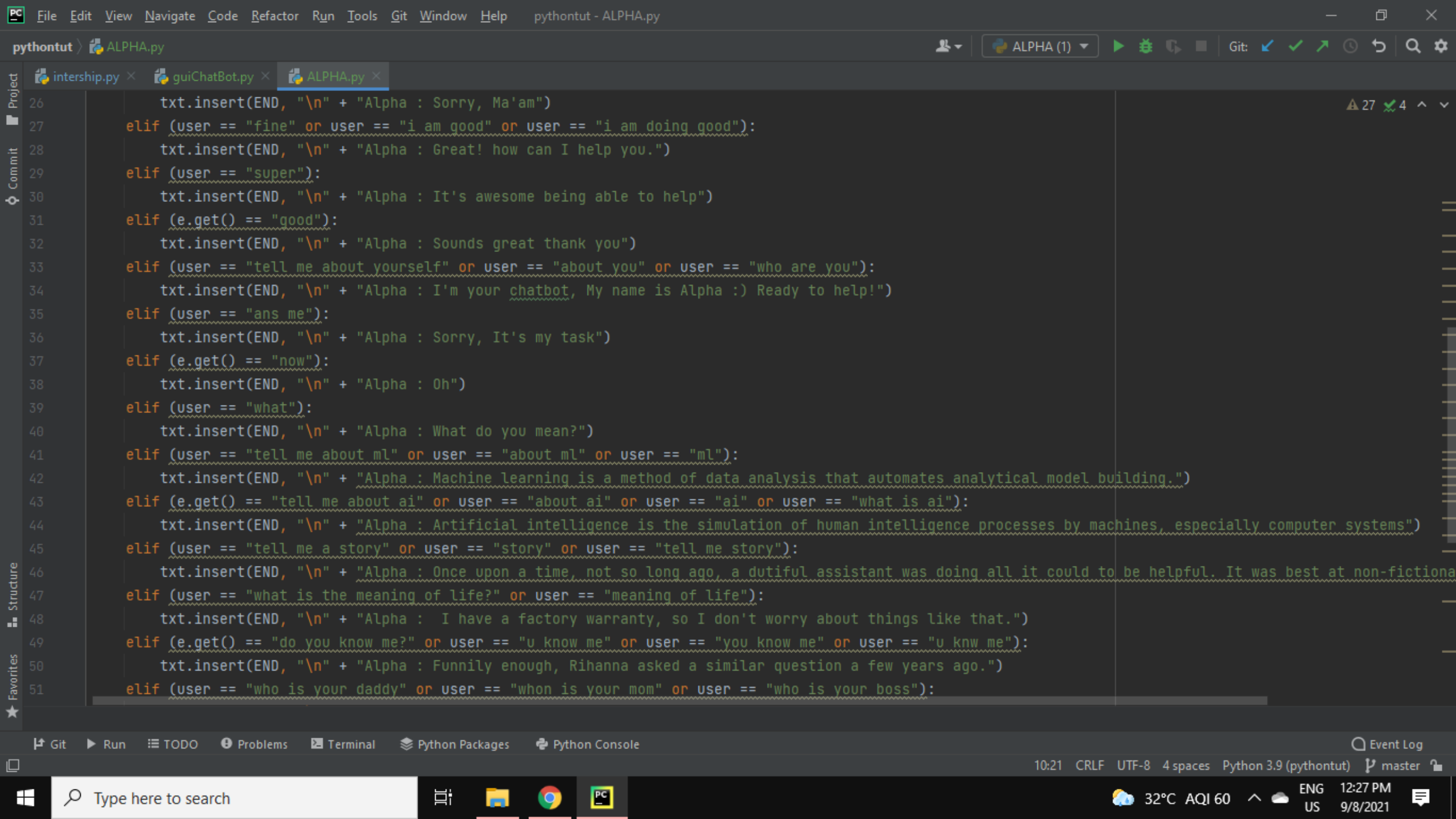
UI Source Code : </>

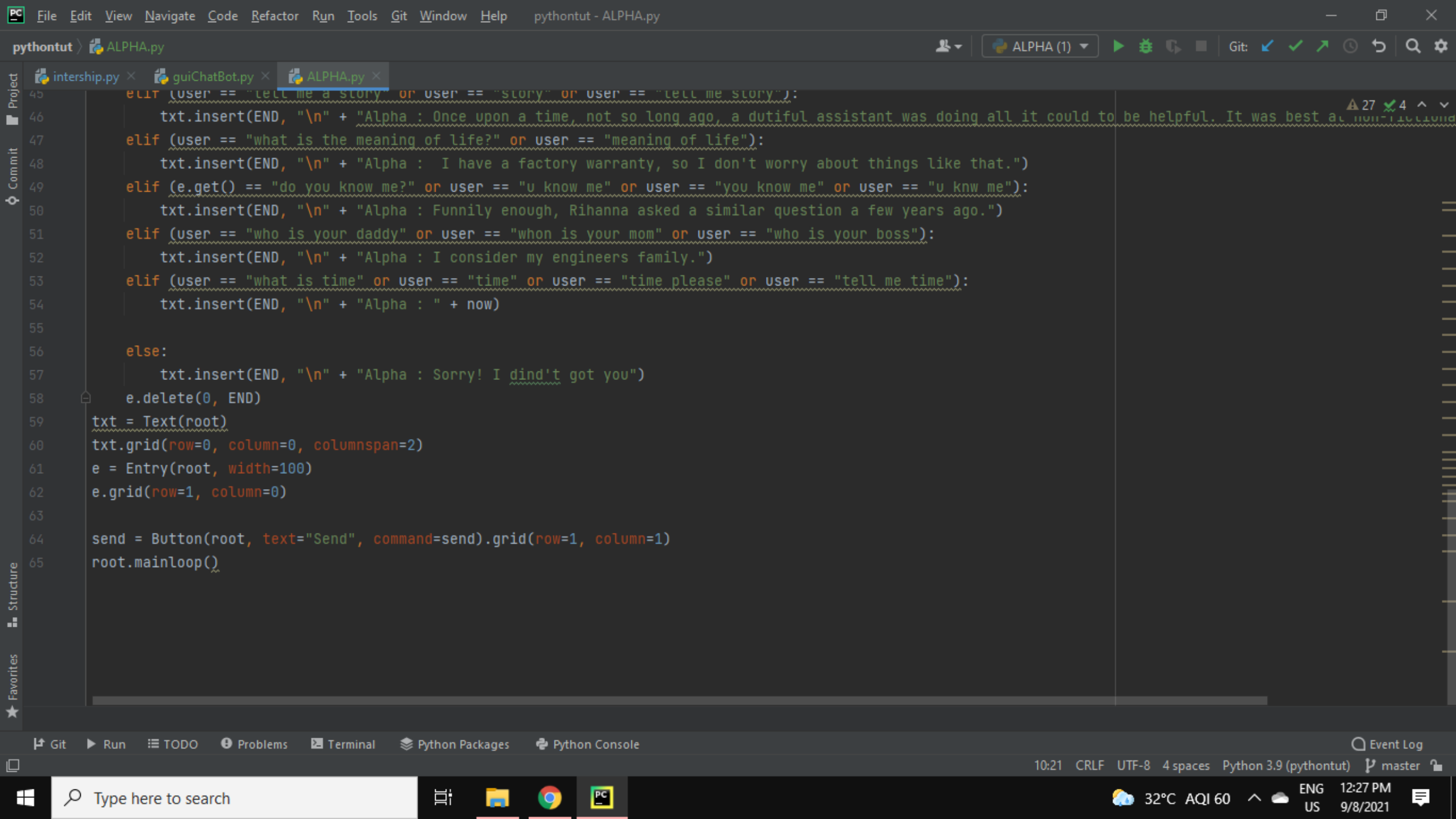


The image shows a screenshot of a code editor window titled "pythontut - ALPHA.py". The editor displays Python code for a Tkinter-based chatbot interface. The code includes imports for Tkinter and time, initializes a Tk window titled "Alpha", and defines a "send()" function that handles user input and provides predefined responses. The interface uses a text widget for displaying messages and an entry widget for user input.

```
1 from tkinter import *
2 import time
3 now = time.ctime()
4 root = Tk()
5 root.title("Alpha")
6 # root.bind('<Return>', self.enter_func)
7
8 # def enter_func(self, event):
9 #     self.send.invoke()
10 #     self.entry('')
11 def send():
12     send = "You : "+e.get()
13     txt.insert(END, "\n"+send)
14     user = e.get().lower()
15     if(user == "hello"):
16         txt.insert(END, "\n" + "Alpha : hello sir, How can I help you?")
17     elif(user == "hi" or user == "hii" or user == "hello sir, How can I help you?"):
18         txt.insert(END, "\n" + "Alpha : Hello")
19     elif(e.get() == "how are you"):
20         txt.insert(END, "\n" + "Alpha : fine! and you?")
21     elif(user == "fine" or user == "i am good" or user == "i am doing good"):
22         txt.insert(END, "\n" + "Alpha : Great! how can I help you.")
23     elif (user == "ok" or user == "hm" or user == "no" or user == "hmm" or user == "cool"):
24         txt.insert(END, "\n" + "Alpha : :)")
25     elif (e.get() == "i am not sir" or user == "not sir"):
26         txt.insert(END, "\n" + "Alpha : Sorry, Ma'am")
```

The IDE interface includes a top menu bar with options like File, Edit, View, Navigate, Code, Refactor, Run, Tools, Git, Window, and Help. The left sidebar shows a Project view with files "internship.py", "guiChatBot.py", and "ALPHA.py". The bottom status bar displays the time (10:21), encoding (CRLF), file encoding (UTF-8), indentation (4 spaces), Python version (Python 3.9), and the current file (pythontut) with a master branch indicator.





Convert python .py file to .exe file

Step 1:

- Open command prompt type pip install pyinstaller.
- Pyinstaller lib use to convert .py file .exe file.

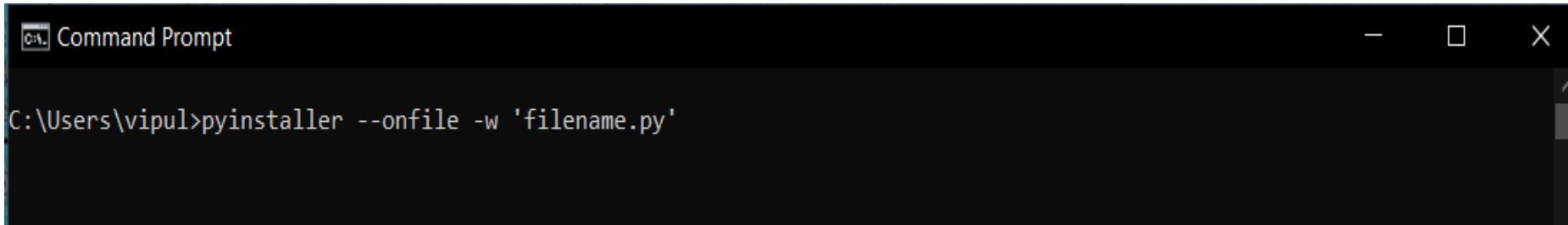
```
Command Prompt
Microsoft Windows [Version 10.0.19043.1165]
(c) Microsoft Corporation. All rights reserved.

C:\Users\vipul>pip install pyinstaller
Collecting pyinstaller
  Downloading pyinstaller-4.5.1-py3-none-win_amd64.whl (1.9 MB)
    | 1.9 MB 2.2 MB/s
Collecting pefile>=2017.8.1
  Downloading pefile-2021.9.3.tar.gz (72 kB)
    | 72 kB 80 kB/s
Collecting pywin32-ctypes>=0.2.0
  Downloading pywin32_ctypes-0.2.0-py2.py3-none-any.whl (28 kB)
Requirement already satisfied: setuptools in c:\users\vipul\appdata\local\programs\python\python39\lib\site-packages (from pyinstaller) (56.0.0)
Collecting altgraph
  Downloading altgraph-0.17-py2.py3-none-any.whl (21 kB)
Collecting pyinstaller-hooks-contrib>=2020.6
  Downloading pyinstaller_hooks_contrib-2021.3-py2.py3-none-any.whl (200 kB)
    | 200 kB 939 kB/s
Collecting future
  Using cached future-0.18.2-py3-none-any.whl
Using legacy 'setup.py install' for pefile, since package 'wheel' is not installed.
Installing collected packages: future, pywin32-ctypes, pyinstaller-hooks-contrib, pefile, altgraph, pyinstaller
  Running setup.py install for pefile ... done
Successfully installed altgraph-0.17 future-0.18.2 pefile-2021.9.3 pyinstaller-4.5.1 pyinstaller-hooks-contrib-2021.3 pywin32-ctypes-0.2.0

C:\Users\vipul>
```

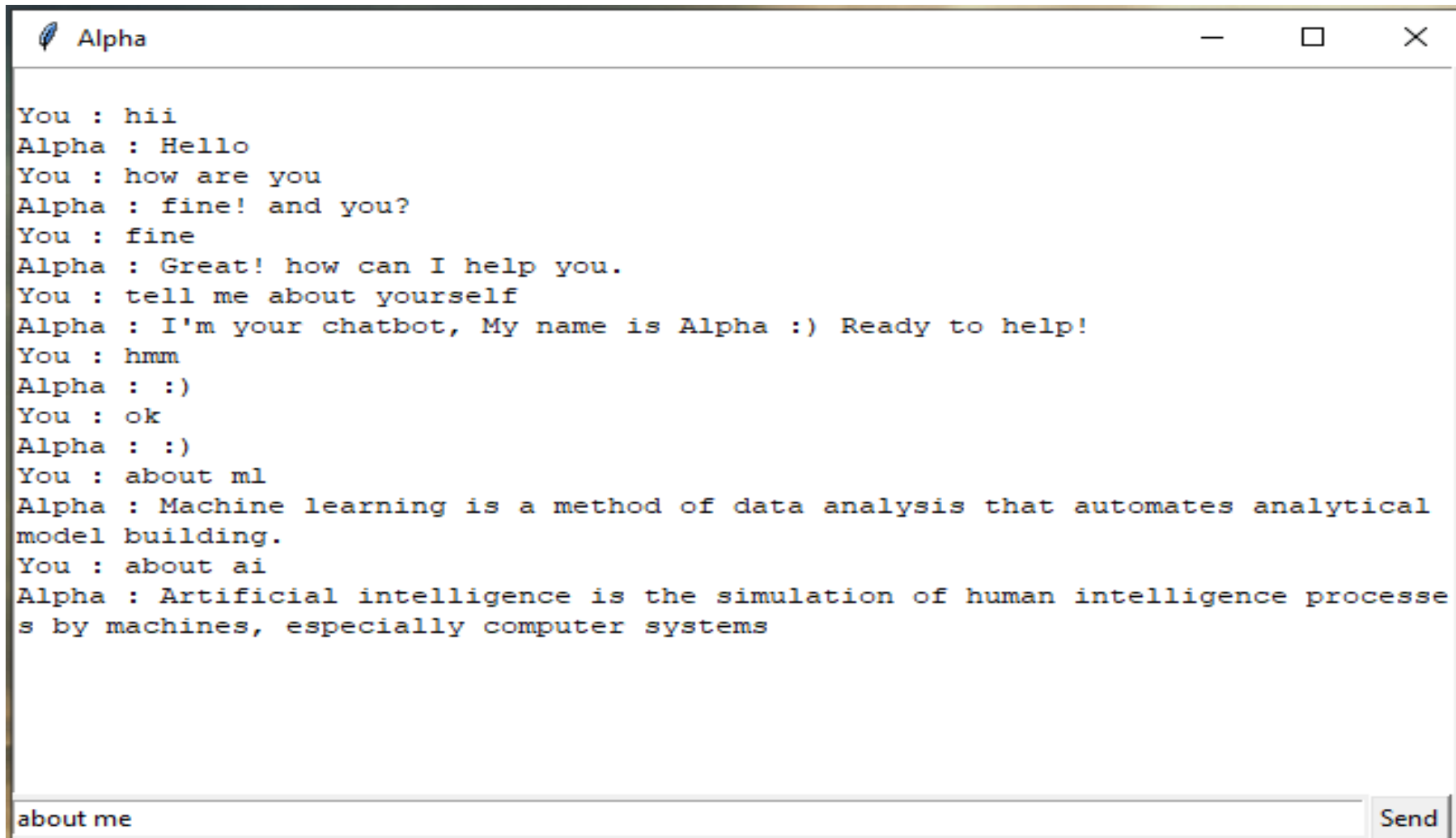
Step 2:

- Open location of file to convert .py to .exe
- Open Command prompt and type *pyinstaller --onfile -w 'filename.py'*

A screenshot of a Windows Command Prompt window. The title bar at the top reads "Command Prompt" with a small icon on the left and standard window controls (minimize, maximize, close) on the right. The command prompt shows the current directory as "C:\Users\vipul>". The command entered is "pyinstaller --onfile -w 'filename.py'", with the cursor positioned at the end of the line.

```
Command Prompt
C:\Users\vipul>pyinstaller --onfile -w 'filename.py'
```


User interface :



The image shows a screenshot of a chat application window titled "Alpha". The window has a standard macOS-style title bar with a red close button, a yellow maximize button, and a green window control button. The chat history is displayed in a monospaced font, showing a conversation between "You" and "Alpha". The messages are as follows:

You : hii
Alpha : Hello
You : how are you
Alpha : fine! and you?
You : fine
Alpha : Great! how can I help you.
You : tell me about yourself
Alpha : I'm your chatbot, My name is Alpha :) Ready to help!
You : hmm
Alpha : :)
You : ok
Alpha : :)
You : about ml
Alpha : Machine learning is a method of data analysis that automates analytical model building.
You : about ai
Alpha : Artificial intelligence is the simulation of human intelligence processes by machines, especially computer systems

At the bottom of the window, there is a text input field containing the text "about me" and a "Send" button.