

Code for chatbot :

```
chatbot.py X
chatbot.py > ...
1 print("Hello! I am a simple chatbot for Smart Trainers.")
2
3
4 responses = {
5     ("courses", "programs", "offer", "course", "programming"): "We offer: Freelancing, AutoCAD, Graphic Designing, UI/UX, Web Dev, and Py
6
7     ("registration", "apply", "next", "upcoming", "future", "register"): "Registrations for Batch 03 are open! It is an 8-week program.here
8
9     ("start", "duration", "long"): "Batch 03 is 8 weeks long and starts soon.",
10
11    ("batch", "program", "internship", "current", "running", "going", "ongoing"): "We are currently in the Remote Internship (Batch-02).
12
13    ("founded", "year", "found", "history"): "Smart Trainers was founded in 2025.",
14
15    ("name", "company"): "Smart Trainers",
16
17    ("location", "address", "where", "located"): "Elsa Qazi Campus (Old Campus), Colony, Thandi Sarak, Hyderabad (Sindh), Pakistan.",
18
19    ("business", "work"): "Professional Training & Internships",
20
21    ("specialization", "specialize", "expert"): "Computer Science, Programming (Python), Artificial Intelligence, and Skill Development
22
23    ("activities", "task"): "Hands-on technical tasks (e.g., Command Line Interface apps, E-commerce logic)",
24
25    ("mission", "aim", "goal"): "To bridge the gap between academic learning and industry skills.",
26
27    ("linkedin", "link"): "https://www.linkedin.com/company/smarttrainers/",
28
29    ("schedule", "timing", "time"): "Classes are held on Friday, Saturday, and Sunday evenings.",
30
31
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41
42
43
44
45 while True:          # Starting the infinite loop so the chat keeps going
46     ask = input("\nTell me how can I assist you: ").strip().lower()
47
48     if ask == "bye":      # Checking if the user wants to quit
49         print("Goodbye! Have a nice day.")
50         break
51
52
53
54     ask = ask.replace("?", "").replace("!", "").replace(".", "").replace(",", "")    # Cleaning the input: Removing punctuation marks
55
56     # The "Space trick": Adding spaces to start and end
57     # This turns "who are they" into " who are they "
58     # It helps us distinguish whole words like "hey" vs "they"
59 }
```

```
chatbot.py X
chatbot.py > ...
31     ("contact", "phone", "email", "gmail", "whatsapp", "number"): "WhatsApp: +92 312 0279418 or Email: info.smarttrainers@gmail.com",
32
33     ("vision",): "To become the leading platform in Pakistan for industry-ready engineers.",
34
35     ("size", "employees"): "We have 11-50 employees.",
36
37     ("about", "about us", "intro", "introduction", "overview", "who are you"): "Smart Trainers is dedicated to transforming engineering
38
39     ("hi", "hello", "salam", "hey"): "Hello! How can I help you?",
40
41
42 list_for_unknown_questions = []
43
44
45 while True:          # Starting the infinite loop so the chat keeps going
46     ask = input("\nTell me how can I assist you: ").strip().lower()
47
48     if ask == "bye":      # Checking if the user wants to quit
49         print("Goodbye! Have a nice day.")
50         break
51
52
53
54     ask = ask.replace("?", "").replace("!", "").replace(".", "").replace(",", "")    # Cleaning the input: Removing punctuation marks
55
56     # The "Space trick": Adding spaces to start and end
57     # This turns "who are they" into " who are they "
58     # It helps us distinguish whole words like "hey" vs "they"
59 }
```

```
60
61     padded_ask = " " + ask + " "
62
63     found_answer = False
64
65     for keywords_tuple, answer in responses.items(): # Looping through our dictionary
66
67         # 'keywords_tuple' is group of keys
68
69
70         for keyword in keywords_tuple:           # Checking each specific keyword (synonym) in the group
71
72             padded_keyword = " " + keyword + " "   # Adding spaces to the keyword too
73
74
75             if padded_keyword in padded_ask:      # Checking if the whole word exists in the user's sentence
76                 print(f"Chatbot response: {answer}")
77                 found_answer = True
78
79
80             break                                # Stop looking at other keywords in this group
81
82         if found_answer:
83             break                                # Stop looking at other response groups if we found one
84
85     if not found_answer:
86         list_for_unknown_questions.append(ask)
87
88     print("Sorry, I don't know the answer to that yet.")
89
90 print(" List of unknown questions user asked : ")
91 print(list_for_unknown_questions)
```

Output of code :

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS powershell + × ⌂ ... | ☰

● PS C:\Users\DELL\Desktop\internship task1 & C:\Users\DELL\AppData\Local\Programs\Python\Python312\python.exe "c:/Users/DELL/Desktop/internship task1/chatbot.py"
Hello! I am a simple chatbot for Smart Trainers.

Tell me how can I assist you: give me intro
Chatbot response: Smart Trainers is dedicated to transforming engineering education into real-world career readiness. We go beyond textbooks, empowering students with hands-on skills and internship opportunities to make them truly industry-ready.

Tell me how can I assist you: where it is located
Chatbot response: Elsa Qazi Campus (Old Campus), Colony, Thandi Sarak, Hyderabad (Sindh), Pakistan.

Tell me how can I assist you: what is ongoing batch
Chatbot response: We are currently in the Remote Internship (Batch-02).

Tell me how can I assist you: what about next batch
Chatbot response: Registrations for Batch 03 are open! It is an 8-week program. here is the link : https://docs.google.com/forms/d/e/1FAIpQLSdQOTx2ILF1afZz-hK7dGNYFP2dYF6r32FrPK0MuSr4XbxA/viewform?usp=header

Tell me how can I assist you: when it was founded
Chatbot response: Smart Trainers was founded in 2025.

Tell me how can I assist you: email
Chatbot response: WhatsApp: +92 312 0279418 or Email: info.smarttrainers@gmail.com

Tell me how can I assist you: aur kia hall ha bhai
Sorry, I don't know the answer to that yet.

Tell me how can I assist you: zindagi kasi guzar rahi ha
Sorry, I don't know the answer to that yet.

Tell me how can I assist you: chat phir chat khatam karta hain
Sorry, I don't know the answer to that yet.

Tell me how can I assist you: bye

Tell me how can I assist you: bye
Goodbye! Have a nice day.
List of unknown questions user asked :
['aur kia hall ha bhai', 'zindagi kasi guzar rahi ha', 'chat phir chat khatam karta hain']
```