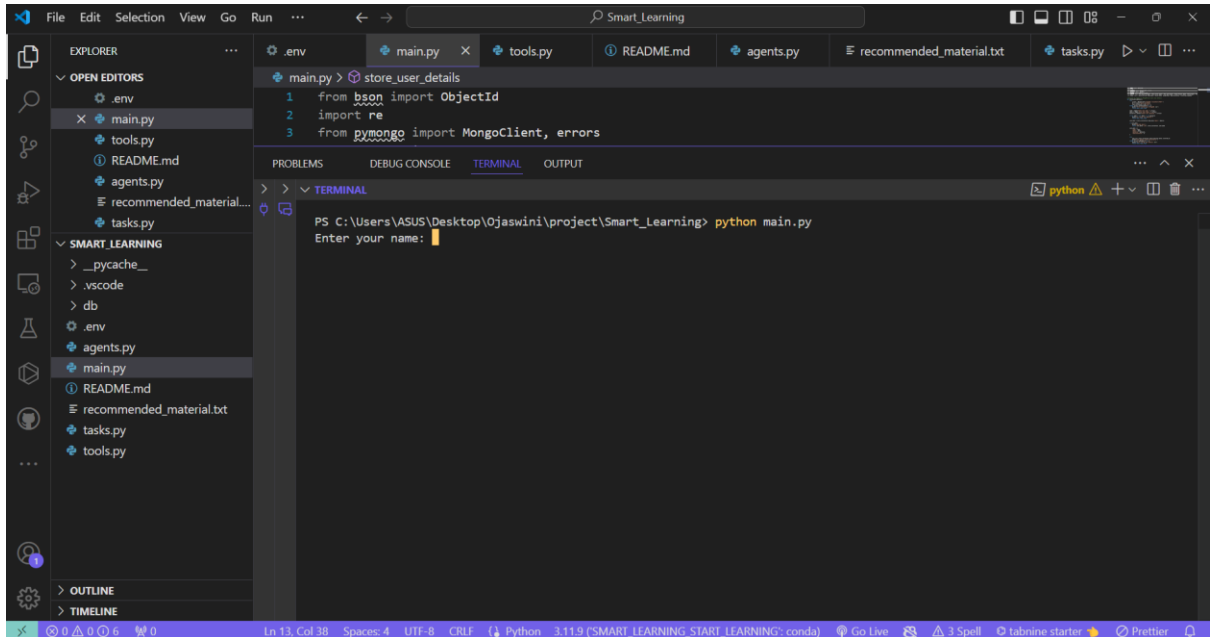
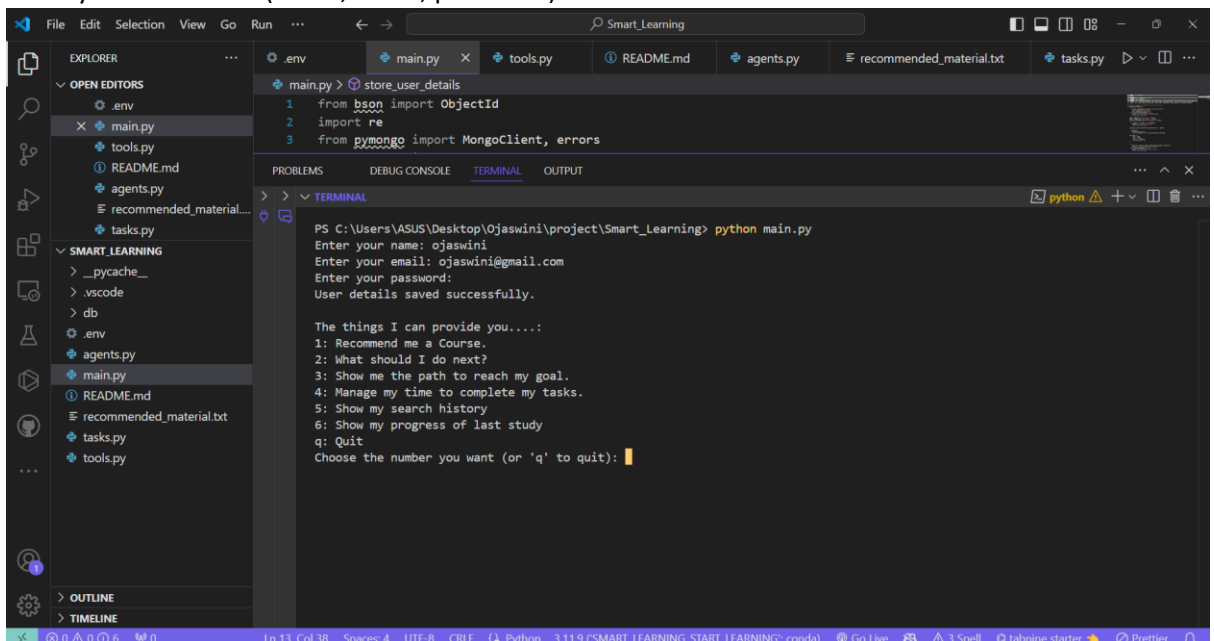


- Run the code using “python main.py”



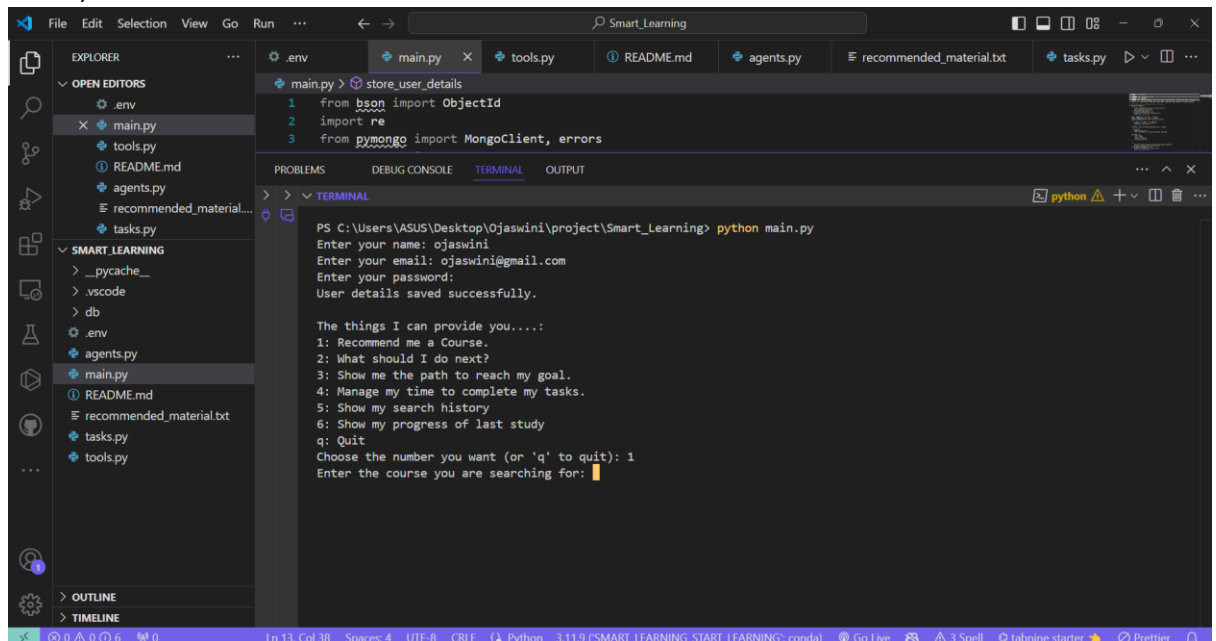
The screenshot shows the Visual Studio Code interface with the file explorer on the left. The main editor displays the code for `main.py`, which includes imports for `bson`, `re`, and `pymongo`. The terminal at the bottom shows the command `python main.py` being executed, resulting in the prompt `Enter your name:`.

- Enter your credentials (name, email, password)



The screenshot shows the Visual Studio Code interface with the file explorer on the left. The main editor displays the code for `main.py`. The terminal at the bottom shows the command `python main.py` being executed, resulting in the prompts `Enter your name:`, `Enter your email:`, and `Enter your password:`. The terminal also displays the message `User details saved successfully.` and a list of options: `1: Recommend me a Course.`, `2: What should I do next?`, `3: Show me the path to reach my goal.`, `4: Manage my time to complete my tasks.`, `5: Show my search history`, `6: Show my progress of last study`, and `q: Quit`. The terminal prompts the user to `Choose the number you want (or 'q' to quit):`.

- Enter the option number with your interest : Option 1 (to recommend a course that user wants)



```
main.py > store_user_details
1 from bson import ObjectId
2 import re
3 from pymongo import MongoClient, errors

PROBLEMS DEBUG CONSOLE TERMINAL OUTPUT

PS C:\Users\ASUS\Desktop\Ojaswini\project\Smart_Learning> python main.py
Enter your name: ojaswini
Enter your email: ojaswini@gmail.com
Enter your password:
User details saved successfully.

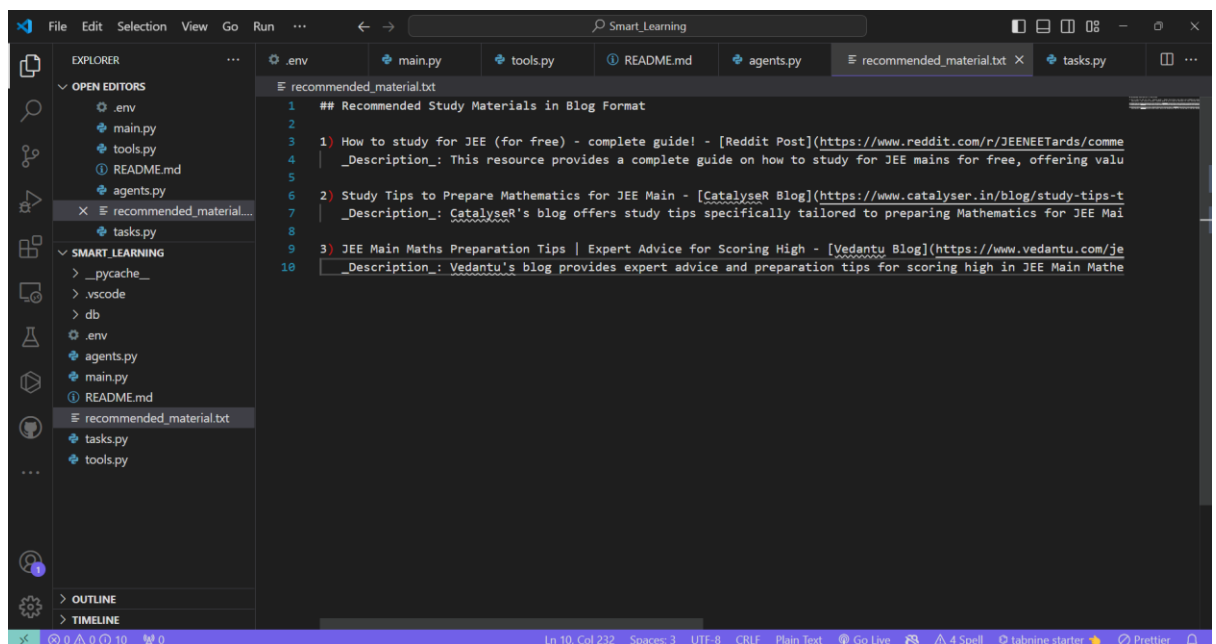
The things I can provide you....:
1: Recommend me a Course.
2: What should I do next?
3: Show me the path to reach my goal.
4: Manage my time to complete my tasks.
5: Show my search history
6: Show my progress of last study
q: Quit
Choose the number you want (or 'q' to quit): 1
Enter the course you are searching for: 
```

give the details that were asked.

eg.: Enter the course you are searching for: maths

Enter your career goal: jee mains

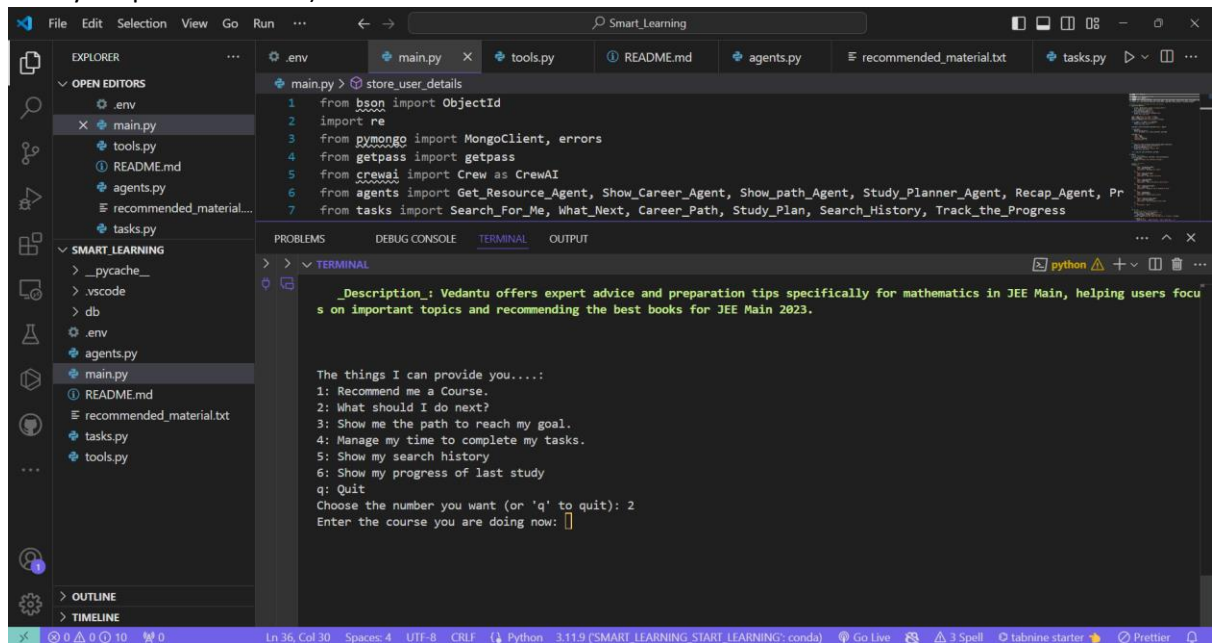
Enter your learning preference (e.g., blog, Video, etc.): blog



```
recommended_material.txt
1 ## Recommended Study Materials in Blog Format
2
3 1) How to study for JEE (for free) - complete guide! - [Reddit Post](https://www.reddit.com/r/JEEtards/comme
4 | _Description_: This resource provides a complete guide on how to study for JEE mains for free, offering valu
5
6 2) Study Tips to Prepare Mathematics for JEE Main - [CatalyseR Blog](https://www.catalyser.in/blog/study-tips-t
7 | _Description_: CatalyseR's blog offers study tips specifically tailored to preparing Mathematics for JEE Mai
8
9 3) JEE Main Maths Preparation Tips | Expert Advice for Scoring High - [Vedantu Blog](https://www.vedantu.com/jee
10 | _Description_: Vedantu's blog provides expert advice and preparation tips for scoring high in JEE Main Mathe
```

you can see the recommended courses in the recommended_material.txt file.

- Enter the option number with your interest : Option 2 (to recommend you what you can do after your present course)



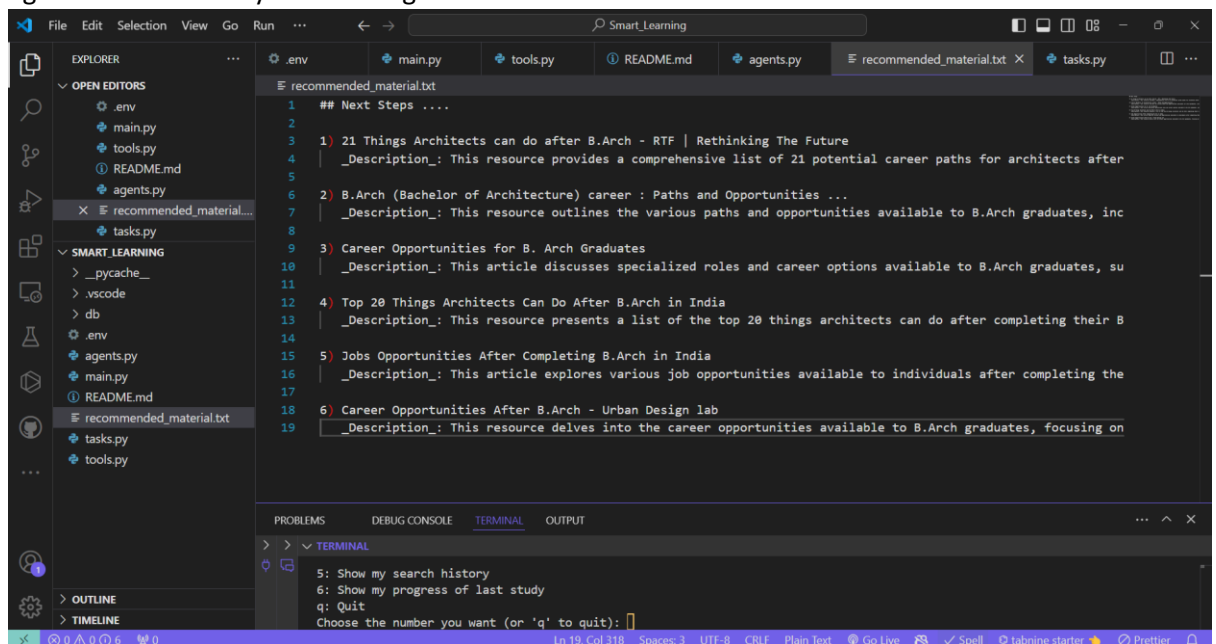
```
main.py > store_user_details
1 from bson import ObjectId
2 import re
3 from pymongo import MongoClient, errors
4 from getpass import getpass
5 from crewai import Crew as CrewAI
6 from agents import Get_Resource_Agent, Show_Career_Agent, Show_path_Agent, Study_Planner_Agent, Recap_Agent, Pr
7 from tasks import Search_For_Me, What_Next, Career_Path, Study_Plan, Search_History, Track_the_Progress

PROBLEMS DEBUG CONSOLE TERMINAL OUTPUT
> > TERMINAL
python
_Description: Vedantu offers expert advice and preparation tips specifically for mathematics in JEE Main, helping users focu
s on important topics and recommending the best books for JEE Main 2023.

The things I can provide you....:
1: Recommend me a Course.
2: What should I do next?
3: Show me the path to reach my goal.
4: Manage my time to complete my tasks.
5: Show my search history
6: Show my progress of last study
q: Quit
Choose the number you want (or 'q' to quit): 2
Enter the course you are doing now: 
```

Enter the course or topics or degree you are doing now

eg: Enter the course you are doing now: barch

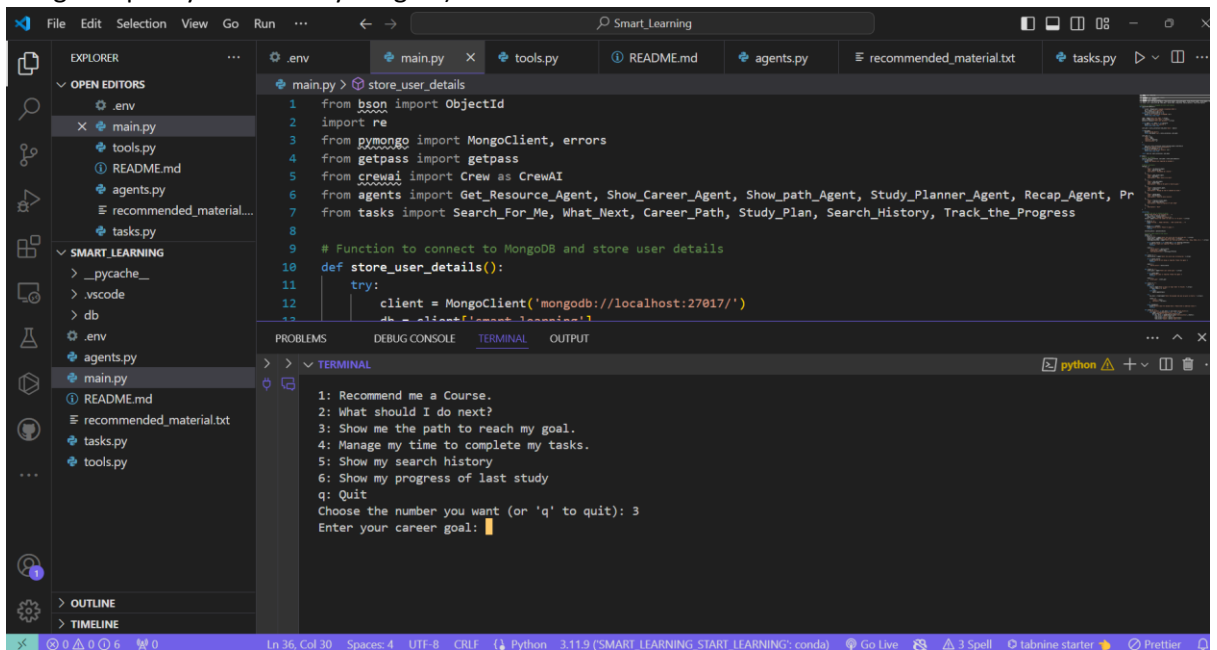


```
recommended_material.txt
1 ## Next Steps ...
2
3 1) 21 Things Architects can do after B.Arch - RTF | Rethinking The Future
4 | _Description_: This resource provides a comprehensive list of 21 potential career paths for architects after
5
6 2) B.Arch (Bachelor of Architecture) career : Paths and Opportunities ...
7 | _Description_: This resource outlines the various paths and opportunities available to B.Arch graduates, inc
8
9 3) Career Opportunities for B. Arch Graduates
10 | _Description_: This article discusses specialized roles and career options available to B.Arch graduates, su
11
12 4) Top 20 Things Architects Can Do After B.Arch in India
13 | _Description_: This resource presents a list of the top 20 things architects can do after completing their B
14
15 5) Jobs Opportunities After Completing B.Arch in India
16 | _Description_: This article explores various job opportunities available to individuals after completing the
17
18 6) Career Opportunities After B.Arch - Urban Design lab
19 | _Description_: This resource delves into the career opportunities available to B.Arch graduates, focusing on

PROBLEMS DEBUG CONSOLE TERMINAL OUTPUT
> > TERMINAL
5: Show my search history
6: Show my progress of last study
q: Quit
Choose the number you want (or 'q' to quit): 
```

you can see the recommended things to do next in the recommended_material.txt file.

- Enter the option number with your interest : Option 3 (to show the tests, degrees or other things to qualify to achieve your goal)

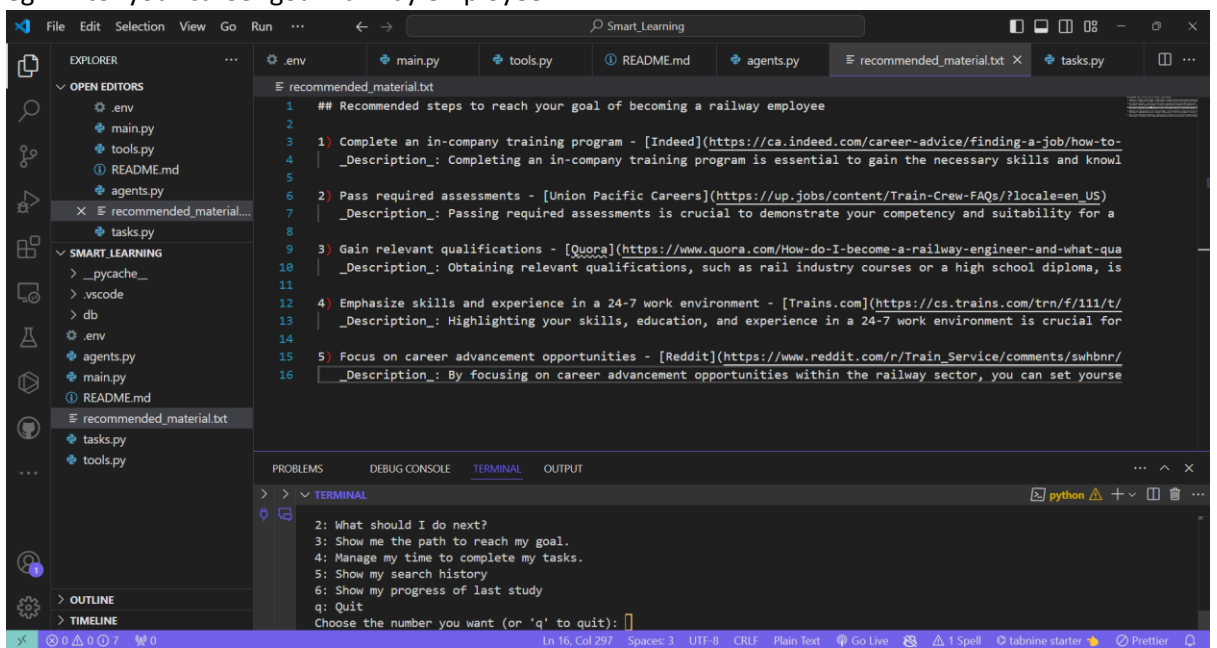


The screenshot shows the Visual Studio Code editor with the 'main.py' file open. The file contains a Python script for a 'Smart Learning' system. The terminal output shows the following interaction:

```
1: Recommend me a Course.
2: What should I do next?
3: Show me the path to reach my goal.
4: Manage my time to complete my tasks.
5: Show my search history
6: Show my progress of last study
q: Quit
Choose the number you want (or 'q' to quit): 3
Enter your career goal:
```

Enter your goal you wants to achieve

eg.: Enter your career goal: railway employee

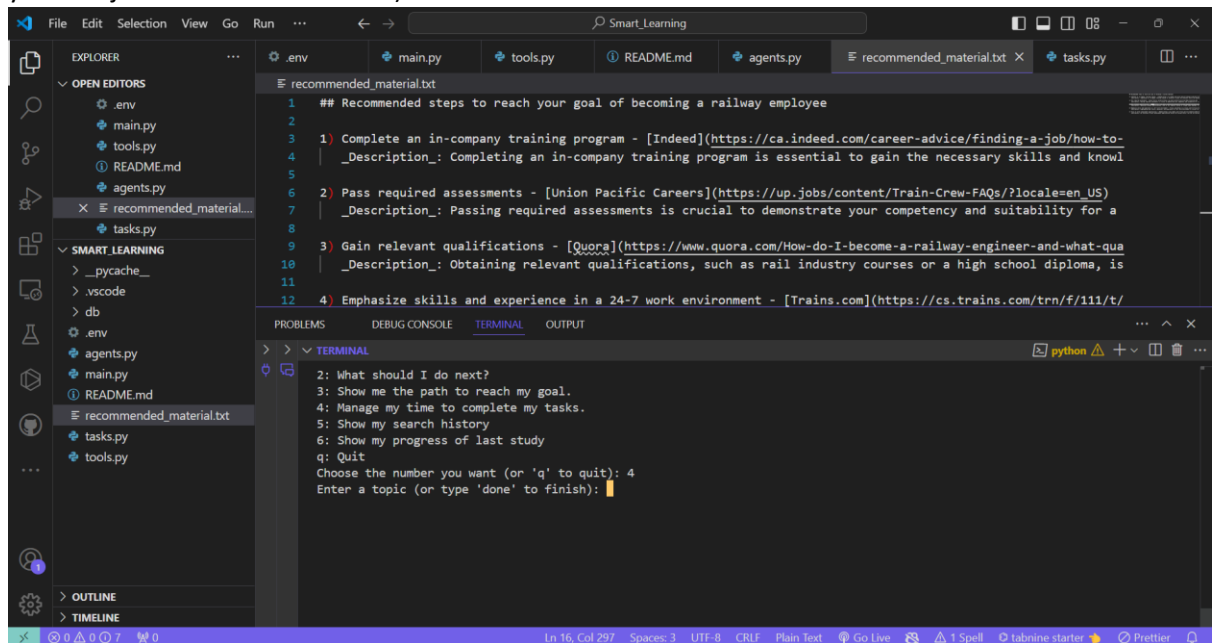


The screenshot shows the Visual Studio Code editor with the 'recommended_material.txt' file open. The file contains a list of recommended steps to reach the goal of becoming a railway employee. The terminal output shows the following interaction:

```
2: What should I do next?
3: Show me the path to reach my goal.
4: Manage my time to complete my tasks.
5: Show my search history
6: Show my progress of last study
q: Quit
Choose the number you want (or 'q' to quit):
```

you can see the path to follow in the recommended_material.txt file.

- Enter the option number with your interest : Option 4 (to create a study plan according to your subjects and time allocated)



```
1 ## Recommended steps to reach your goal of becoming a railway employee
2
3 1) Complete an in-company training program - [Indeed](https://ca.indeed.com/career-advice/finding-a-job/how-to-
4 | _Description_: Completing an in-company training program is essential to gain the necessary skills and knowl
5
6 2) Pass required assessments - [Union Pacific Careers](https://up.jobs/content/Train-Crew-FAQs/?locale=en_US)
7 | _Description_: Passing required assessments is crucial to demonstrate your competency and suitability for a
8
9 3) Gain relevant qualifications - [Quora](https://www.quora.com/How-do-I-become-a-railway-engineer-and-what-qua
10 | _Description_: Obtaining relevant qualifications, such as rail industry courses or a high school diploma, is
11
12 4) Emphasize skills and experience in a 24-7 work environment - [Trains.com](https://cs.trains.com/trn/f/111/t/

PROBLEMS DEBUG CONSOLE TERMINAL OUTPUT
2: What should I do next?
3: Show me the path to reach my goal.
4: Manage my time to complete my tasks.
5: Show my search history
6: Show my progress of last study
q: Quit
Choose the number you want (or 'q' to quit): 4
Enter a topic (or type 'done' to finish):
```

Enter the topics you need to complete and give the time you can spend on them.

eg.: Enter a topic (or type 'done' to finish): automata

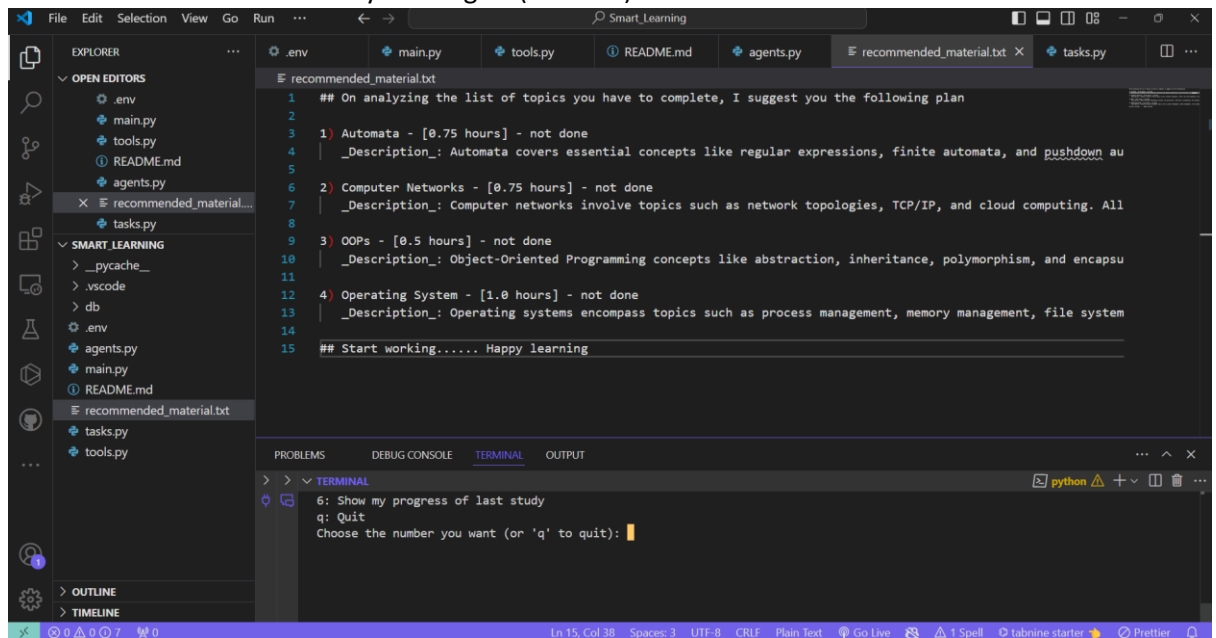
Enter a topic (or type 'done' to finish): computer networks

Enter a topic (or type 'done' to finish): oops

Enter a topic (or type 'done' to finish): operating system

Enter a topic (or type 'done' to finish): done

Enter the maximum time you can give (in hours): 3



```
1 ## On analyzing the list of topics you have to complete, I suggest you the following plan
2
3 1) Automata - [0.75 hours] - not done
4 | _Description_: Automata covers essential concepts like regular expressions, finite automata, and pushdown au
5
6 2) Computer Networks - [0.75 hours] - not done
7 | _Description_: Computer networks involve topics such as network topologies, TCP/IP, and cloud computing. All
8
9 3) OOPs - [0.5 hours] - not done
10 | _Description_: Object-Oriented Programming concepts like abstraction, inheritance, polymorphism, and encapsu
11
12 4) Operating System - [1.0 hours] - not done
13 | _Description_: Operating systems encompass topics such as process management, memory management, file system
14
15 ## Start working..... Happy learning

PROBLEMS DEBUG CONSOLE TERMINAL OUTPUT
6: Show my progress of last study
q: Quit
Choose the number you want (or 'q' to quit):
```

you can see a study plan in the recommended_material.txt file, with time allocations and status allocation as not done for each topic.

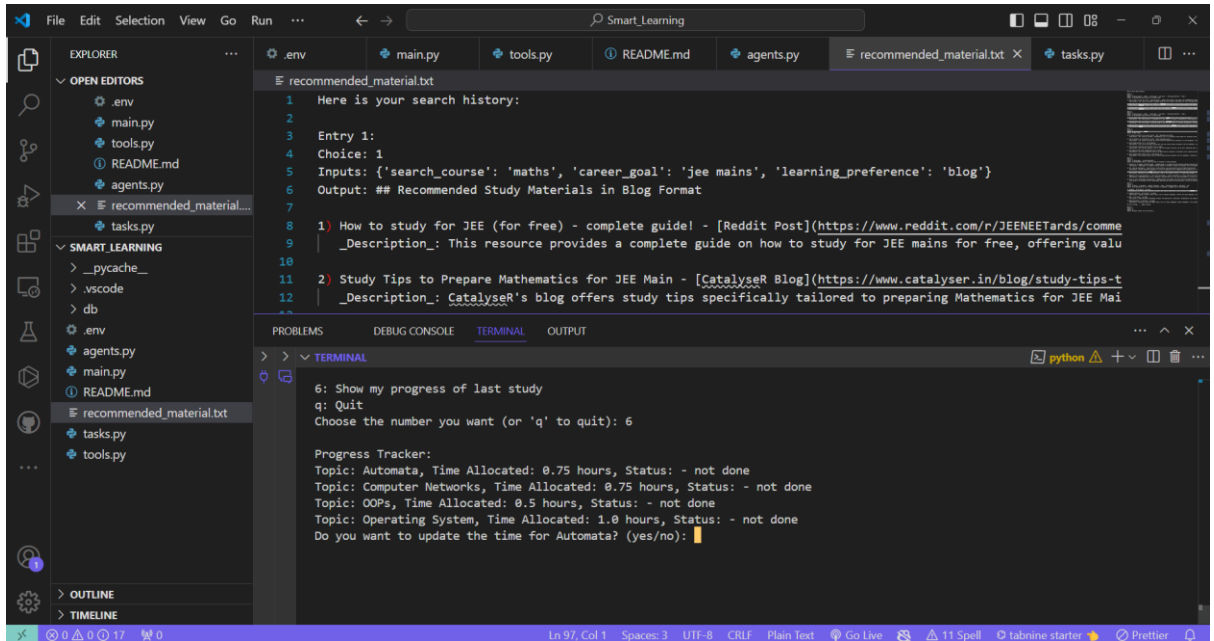
If any changes needed in timings or progress status, you can make those changes in the study plan using option 6.

- Enter the option number with your interest : Option 5 (to go through all your search history)

```
1 Here is your search history:
2
3 Entry 1:
4 Choice: 1
5 Inputs: {'search_course': 'maths', 'career_goal': 'jee mains', 'learning_preference': 'blog'}
6 Output: ## Recommended Study Materials in Blog Format
7
8 1) How to study for JEE (for free) - complete guide! - [Reddit Post](https://www.reddit.com/r/JEENEETards/comme
9 | _Description_: This resource provides a complete guide on how to study for JEE mains for free, offering valu
10
11 2) Study Tips to Prepare Mathematics for JEE Main - [Catalyser Blog](https://www.catalyser.in/blog/study-tips-t
12 | _Description_: Catalyser's blog offers study tips specifically tailored to preparing Mathematics for JEE Mai
13
14 3) JEE Main Maths Preparation Tips | Expert Advice for Scoring High - [Vedantu Blog](https://www.vedantu.com/je
15 | _Description_: Vedantu's blog provides expert advice and preparation tips for scoring high in JEE Main Mathe
16
17 Entry 2:
18 Choice: 1
19 Inputs: {'search_course': 'maths', 'career_goal': 'jee mains', 'learning_preference': 'blog'}
20 Output: ## Recommended Study Materials in Blog Format
21
22 1) IIT JEE Maths Study Material For JEE Mains And Advanced - [BYJU'S](https://byjus.com/jee/jee-maths/)
23 | _Description_: This study material is designed by IIT JEE experts to provide a comprehensive understanding o
24
25 2) The Best Maths Books to Prepare for JEE Main + Advanced - [Catalyser Blog](https://www.catalyser.in/blog/the
26 | _Description_: This blog provides a detailed guide on the best math books for JEE Main and Advanced, offerin
27
28 3) JEE Main Maths Preparation Tips | Expert Advice for Scoring High - [Vedantu](https://www.vedantu.com/jee-mai
29 | _Description_: Vedantu offers expert advice and preparation tips specifically for mathematics in JEE Main, h
30
```

you can see the search history till you last logged in, in the recommended_material.txt file.

- Enter the option number with your interest : Option 6 (to make changes in your study plan)



The screenshot shows the VS Code interface with the 'recommended_material.txt' file open. The file contains a search history and two recommended study materials. The terminal output shows the program's progress tracker and a prompt to update the time for Automata.

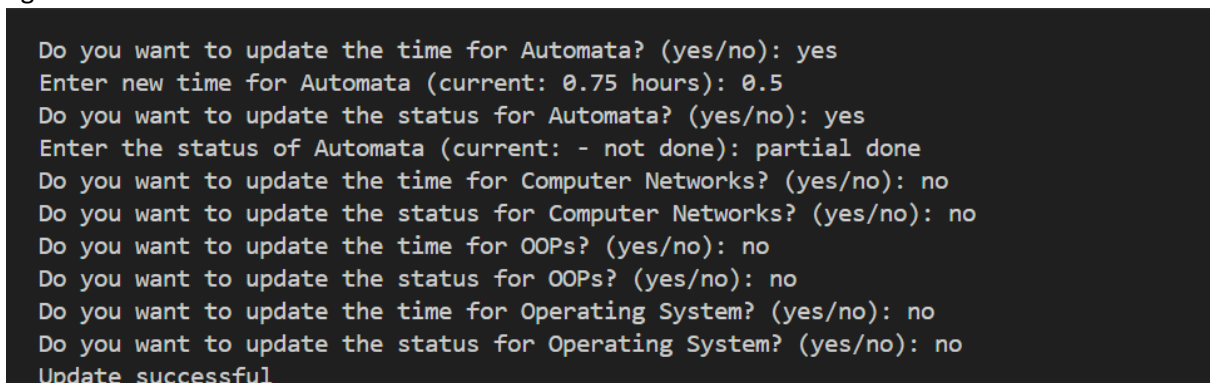
```
recommended_material.txt
1 Here is your search history:
2
3 Entry 1:
4 Choice: 1
5 Inputs: {'search_course': 'maths', 'career_goal': 'jee mains', 'learning_preference': 'blog'}
6 Output: ## Recommended Study Materials in Blog Format
7
8 1) How to study for JEE (for free) - complete guide! - [Reddit Post](https://www.reddit.com/r/JEEETards/comme
9 | _Description_: This resource provides a complete guide on how to study for JEE mains for free, offering valu
10
11 2) Study Tips to Prepare Mathematics for JEE Main - [CatalyseR Blog](https://www.catalyser.in/blog/study-tips-t
12 | _Description_: CatalyseR's blog offers study tips specifically tailored to preparing Mathematics for JEE Mai

PROBLEMS DEBUG CONSOLE TERMINAL OUTPUT
> > TERMINAL python
6: Show my progress of last study
q: Quit
Choose the number you want (or 'q' to quit): 6

Progress Tracker:
Topic: Automata, Time Allocated: 0.75 hours, Status: - not done
Topic: Computer Networks, Time Allocated: 0.75 hours, Status: - not done
Topic: OOPs, Time Allocated: 0.5 hours, Status: - not done
Topic: Operating System, Time Allocated: 1.0 hours, Status: - not done
Do you want to update the time for Automata? (yes/no):
```

You will get the latest study plan shown and it asks for any kind of changes.

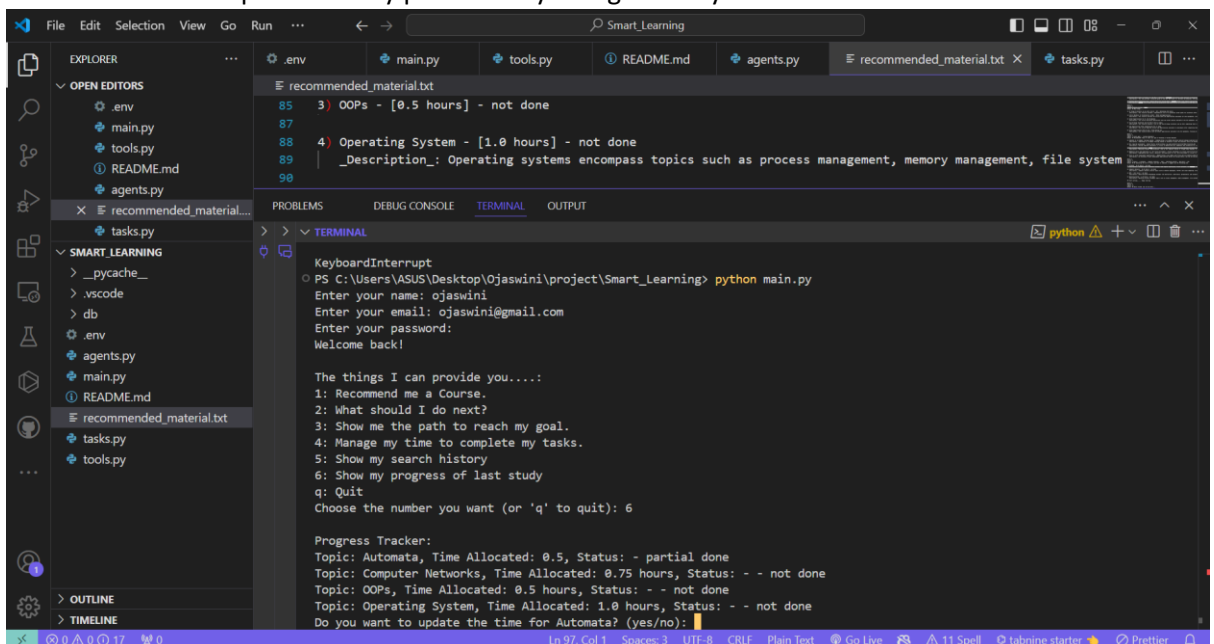
eg.:



The screenshot shows the terminal output where the user updates the time for Automata from 0.75 hours to 0.5 hours and changes its status to 'partial done'.

```
Do you want to update the time for Automata? (yes/no): yes
Enter new time for Automata (current: 0.75 hours): 0.5
Do you want to update the status for Automata? (yes/no): yes
Enter the status of Automata (current: - not done): partial done
Do you want to update the time for Computer Networks? (yes/no): no
Do you want to update the status for Computer Networks? (yes/no): no
Do you want to update the time for OOPs? (yes/no): no
Do you want to update the status for OOPs? (yes/no): no
Do you want to update the time for Operating System? (yes/no): no
Do you want to update the status for Operating System? (yes/no): no
Update successful
```

You can check the updated study plan when you login with your account next time:



The screenshot shows the VS Code interface with the 'recommended_material.txt' file open. The file now shows the updated study plan for Automata. The terminal output shows the user logging in and viewing the updated progress tracker.

```
recommended_material.txt
85 3) OOPs - [0.5 hours] - not done
87
88 4) Operating System - [1.0 hours] - not done
89 | _Description_: Operating systems encompass topics such as process management, memory management, file system
90

PROBLEMS DEBUG CONSOLE TERMINAL OUTPUT
> > TERMINAL python
KeyboardInterrupt
PS C:\Users\ASUS\Desktop\Ojaswini\project\Smart_Learning> python main.py
Enter your name: ojaswini
Enter your email: ojaswini@gmail.com
Enter your password:
Welcome back!

The things I can provide you.....:
1: Recommend me a Course.
2: What should I do next?
3: Show me the path to reach my goal.
4: Manage my time to complete my tasks.
5: Show my search history
6: Show my progress of last study
q: Quit
Choose the number you want (or 'q' to quit): 6

Progress Tracker:
Topic: Automata, Time Allocated: 0.5, Status: - partial done
Topic: Computer Networks, Time Allocated: 0.75 hours, Status: - not done
Topic: OOPs, Time Allocated: 0.5 hours, Status: - not done
Topic: Operating System, Time Allocated: 1.0 hours, Status: - not done
Do you want to update the time for Automata? (yes/no):
```


➤ Enter “q” to quit completely

```
File Edit Selection View Go Run ... Smart_Learning
EXPLORER
  OPEN EDITORS
    .env
    main.py
    tools.py
    README.md
    agents.py
    recommended_material.txt
    tasks.py
  SMART LEARNING
    _pycache_
    .vscode
    db
    .env
    agents.py
    main.py
    README.md
    recommended_material.txt
    tasks.py
    tools.py
  OUTLINE
  TIMELINE

recommended_material.txt
1 ## Make a study plan... Track your progress...

TERMINAL
> Entering new CrewAgentExecutor chain...
I now can give a great answer

Final Answer:
## Make a study plan... Track your progress...

> Finished chain.
[DEBUG]: == [Track the progress] Task output: ## Make a study plan... Track your progress...

The things I can provide you....:
1: Recommend me a Course.
2: What should I do next?
3: Show me the path to reach my goal.
4: Manage my time to complete my tasks.
5: Show my search history
6: Show my progress of last study
q: Quit
Choose the number you want (or 'q' to quit): q
Exiting.... Happy learning.... Have a great day....!
PS C:\Users\ASUS\Desktop\Ojaswini\project\Smart_Learning>
```