

Assignment 3

Forward Chaining

IIIT D Career Advisory System 2022

This Python script helps in choosing your Career path once you graduate from IIIT Delhi, on the basis of following Rule Set implemented using Forward Chaining.

1. Core Subjects done in IIIT Delhi
2. CGPA
3. Domain of Expertise

There is one folder named Career Advisory System 2022.

For running the python script, the user needs to follow the mentioned steps:

1. Run the main.py file in cmd by typing 'python3 main.py'. Type the number corresponding the core course that you have. After typing the number, press Enter.

... Welcome to Career Advisory System of IIIT-Delhi:

This system advises you to choose appropriate career which you can opt for on the basis of your core subjects, your CGPA and your domain of expertise.
Select any one of following courses that you have done and enter its grades

1. Artificial Intelligence
2. Machine Learning
3. Computer Network
4. Database Management
5. Java Programming

2. Once you select one of the core subjects, indicate your CGPA for the selected subject by enter the corresponding number.(1,2 or 3).

... Welcome to Career Advisory System of IIIT-Delhi:

This system advises you to choose appropriate career which you can opt for on the basis of your core subjects, your CGPA and your domain of expertise.
Select any one of following courses that you have done and enter its grades

1. Artificial Intelligence
2. Machine Learning
3. Computer Network
4. Database Management
5. Java Programming

1

Enter the grade/cgpa obtained in the course selected

1) 7-10 2) 6-7 3) Less than 6

3. Once you enter the CGPA, indicate your area of expertise in a particular domain.

Welcome to Career Advisory System of IIT-Delhi:

This system advises you to choose appropriate career which you can opt for de
Select any one of following courses that you have done and enter its grades

1. Artificial Intelligence
2. Machine Learning
3. Computer Network
4. Database Management
5. Java Programming

1

Enter the grade/cgpa obtained in the course selected

- 1) 7-10 2) 6-7 3) Less than 6

1

Enter your area of expertise:

1. Cloud Computing
2. Mobile Computing
3. Unity and Game Development
4. Data Analysis and and Wrangling
5. Maintaing Servers and other Network Infrastructure
6. Big Data Applications
7. Ethical Hacking
8. Database Management

4. Once you enter the CGPA, indicate your area of expertise in a particular domain.

The system will automatically suggest you the appropriate role.

```

Welcome to Career Advisory System of IIIT-Delhi:
This system advises you to choose appropriate career which you can opt for
Select any one of following courses that you have done and enter its grade
1. Artificial Intelligence
2. Machine Learning
3. Computer Network
4. Database Management
5. Java Programming
1
Enter the grade/cgpa obtained in the course selected
1) 7-10    2) 6-7    3) Less than 6
1
Enter your area of expertise:
1. Cloud Computing
2. Mobile Computing
3. Unity and Game Development
4. Data Analysis and and Wrangling
5. Maintaing Servers and other Network Infrastructure
6. Big Data Applications
7. Ethical Hacking
8. Database Management
6
Specialization Suggestion is as follows: Big Data Engineer Role
{'sid': '0', 'id': 'sid-0', '$s': 1}

```

Trying out another run of the script.

The screenshot shows a Jupyter Notebook titled "AIAssignment3_copy.ipynb". The code cell contains a Python script that simulates a career advisory system. The output cell shows the execution of the script, which prompts the user to select a course and grade, then an area of expertise, and finally provides a specialization suggestion based on the input.

```

15 print('5. Java Programming')
16
17 course_int = input()
18 print('Enter the grade/cgpa obtained in the course selected')
19 print('1) 7-10    2) 6-7    3) Less than 6')
20 grade = input()
21
22 assert_fact('courses', { 'course_interest': course_int, 'grades': grade})

```

```

Welcome to Career Advisory System of IIIT-Delhi:
This system advises you to choose appropriate career which you can opt for depending on courses done by you , your grades and your domains
Select any one of following courses that you have done and enter its grades
1. Artificial Intelligence
2. Machine Learning
3. Computer Network
4. Database Management
5. Java Programming
4
Enter the grade/cgpa obtained in the course selected
1) 7-10    2) 6-7    3) Less than 6
1
Enter your area of expertise:
1. Cloud Computing
2. Mobile Computing
3. Unity and Game Development
4. Data Analysis and and Wrangling
5. Maintaing Servers and other Network Infrastructure
6. Big Data Applications
7. Ethical Hacking
8. Database Management
1
Specialization Suggestion is as follows: Cloud Engineer Role
{'sid': '0', 'id': 'sid-0', '$s': 1}

```

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