ARTIFICIAL INTELLIGENCE

Assignment 3: Career Advisory System

PREPARED BY:
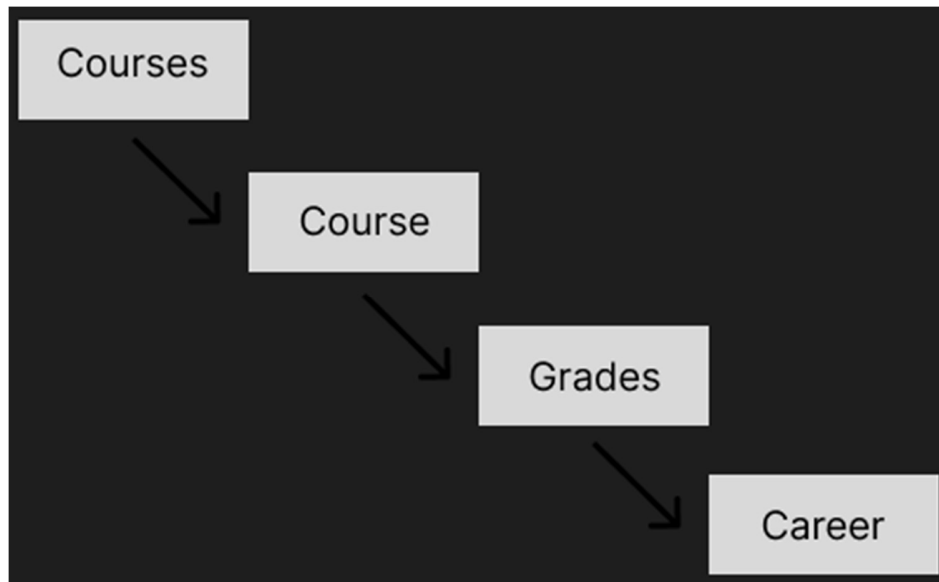
Yearagra Paliwal

(SP22004)

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Code Explanation:-

Code Structure:

It first asserts the course and grades from the ruleset Courses and then moves to the next ruleset as the course and grades the person has got and showcase the career options.

The order for the ruleset is shown above.

Working And Assumption:

1. Input Required.
   Course Done: Machine Learning, Artificial Intelligence, Advanced Programming, Design.
   Grades Obtain In a Range:

   A person has to choose the course which has been done and put up the grades obtained. Then, comparing to the criteria, it will pass up to the next ruleset and showcase the career option as the person is eligible to get the one.
2. Run the program by running:
   AI Assignment 3 SP22004.py
3. Output:
   Suggested the best career options to the one.

Sample Outputs:

1. Course Done: Machine Learning
   Grades Obtained: 8
   Career options for the same:-

```
Courses Done : Machine Learning, Artificial Intelligence, Advanced Programming, Design :- Machine Learning
Grades Obtained In A Range Of 1-10 :- 8
Fact: Data Mining and Analysis
Fact: Machine Learning Engineer
Fact: Data Scientist
Fact: AI Engineer
Fact: Machine Learning Researchers
{'sid': '0', 'id': 'sid-0', '$s': 1}
```

2. Course Done: Artificial Intelligence
   Grades Obtained: 9
   Career options for the same:-

```
Courses Done : Machine Learning, Artificial Intelligence, Advanced Programming, Design :- Artificial Intelligence
Grades Obtained In A Range Of 1-10 :- 9
Fact: Data Mining and Analysis
Fact: Machine Learning Engineer
Fact: Data Scientist
Fact: AI Engineer
Fact: Machine Learning Researchers
{'sid': '0', 'id': 'sid-0', '$s': 1}
```

3. Course Done: Advanced Programming
   Grades Obtained: 9
   Career options for the same:-

```
Courses Done : Machine Learning, Artificial Intelligence, Advanced Programming, Design :- Advanced Programming
Grades Obtained In A Range Of 1-10 :- 9
Fact: Data Analyst
Fact: App Developer
Fact: Web Developer
Fact: Software Developer
{'sid': '0', 'id': 'sid-0', '$s': 1}
```

4. Course Done: Design
   Grades Obtained: 10
   Career options for the same:-

```
Courses Done : Machine Learning, Artificial Intelligence, Advanced Programming, Design :- Design
Grades Obtained In A Range Of 1-10 :- 10
Fact: UX Developer
Fact: Web Developer
Fact: UI Developer
{'sid': '0', 'id': 'sid-0', '$s': 1}
```

Thank You