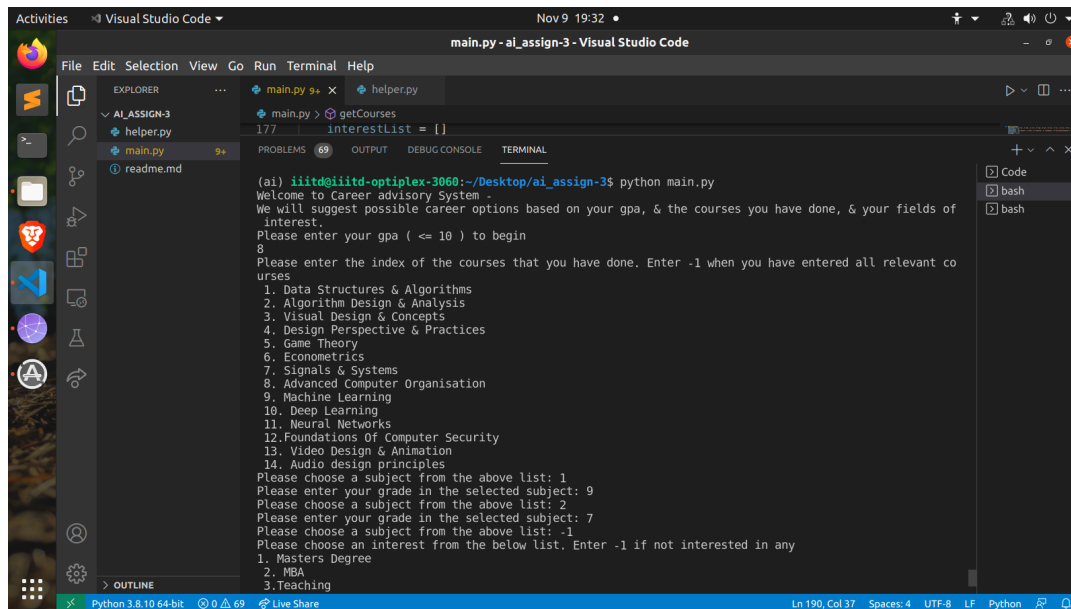


Artificial Intelligence - Assignment 3

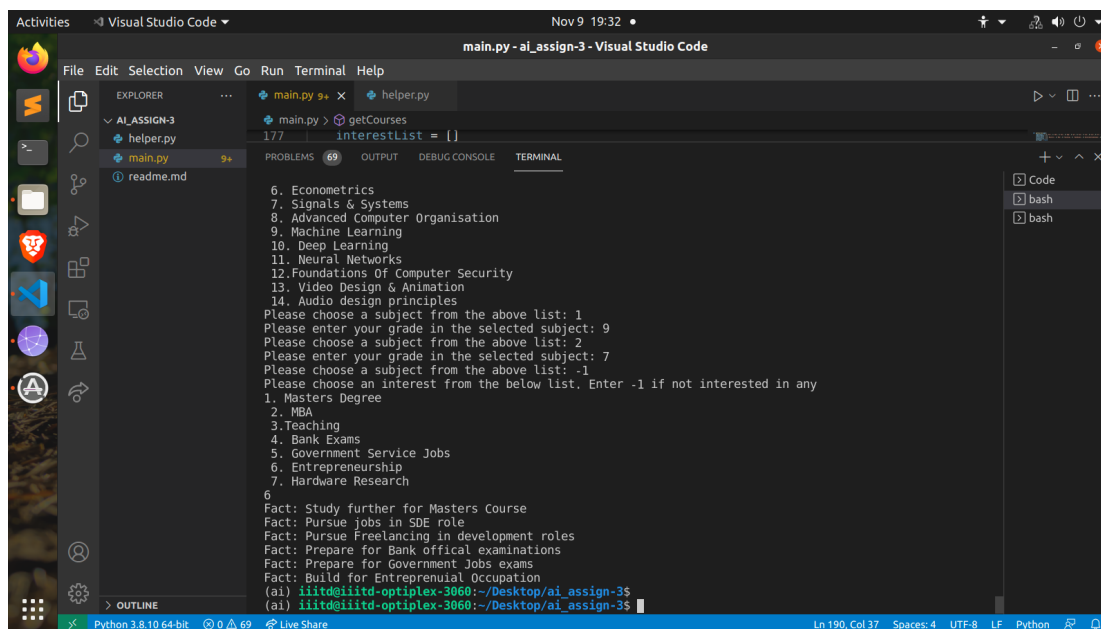
Career Advisory System

This is a career advisory system made in python using durable-rules library. It takes in input the overall gpa of the student, and a list of subjects that the student has done along with the grades that they have scored. It then uses the durable_rules library to compare with rulesets that have been designed by me

Screenshots for their working have been attached.



```
main.py - ai_assign-3 - Visual Studio Code
177 interestList = []
(main.py) iiitd@iiitd-optiplex-3060:~/Desktop/ai_assign-3$ python main.py
Welcome to Career Advisory System -
We will suggest possible career options based on your gpa, & the courses you have done, & your fields of
interest.
Please enter your gpa ( <= 10 ) to begin
8
Please enter the index of the courses that you have done. Enter -1 when you have entered all relevant co
urses
1. Data Structures & Algorithms
2. Algorithm Design & Analysis
3. Visual Design & Concepts
4. Design Perspective & Practices
5. Game Theory
6. Econometrics
7. Signals & Systems
8. Advanced Computer Organisation
9. Machine Learning
10. Deep Learning
11. Neural Networks
12. Foundations Of Computer Security
13. Video Design & Animation
14. Audio design principles
Please choose a subject from the above list: 1
Please enter your grade in the selected subject: 9
Please choose a subject from the above list: 2
Please enter your grade in the selected subject: 7
Please choose a subject from the above list: -1
Please choose an interest from the below list. Enter -1 if not interested in any
1. Masters Degree
2. MBA
3. Teaching
```



```
main.py - ai_assign-3 - Visual Studio Code
177 interestList = []
6. Econometrics
7. Signals & Systems
8. Advanced Computer Organisation
9. Machine Learning
10. Deep Learning
11. Neural Networks
12. Foundations Of Computer Security
13. Video Design & Animation
14. Audio design principles
Please choose a subject from the above list: 1
Please enter your grade in the selected subject: 9
Please choose a subject from the above list: 2
Please enter your grade in the selected subject: 7
Please choose a subject from the above list: -1
Please choose an interest from the below list. Enter -1 if not interested in any
1. Masters Degree
2. MBA
3. Teaching
4. Bank Exams
5. Government Service Jobs
6. Entrepreneurship
7. Hardware Research
8
Fact: Study further for Masters Course
Fact: Pursue jobs in SDE role
Fact: Pursue Freelancing in development roles
Fact: Prepare for Bank official examinations
Fact: Prepare for Government Jobs exams
Fact: Build for Entrepreneurial Occupation
(iiitd@iiitd-optiplex-3060:~/Desktop/ai_assign-3$
(iiitd@iiitd-optiplex-3060:~/Desktop/ai_assign-3$
```

Features

- It uses multiple rule sets to get as close to a real world scenario as possible
- Takes into account the marks scored in each domain
- Takes into account the total gpa of the student
- Takes into account the interests of the student