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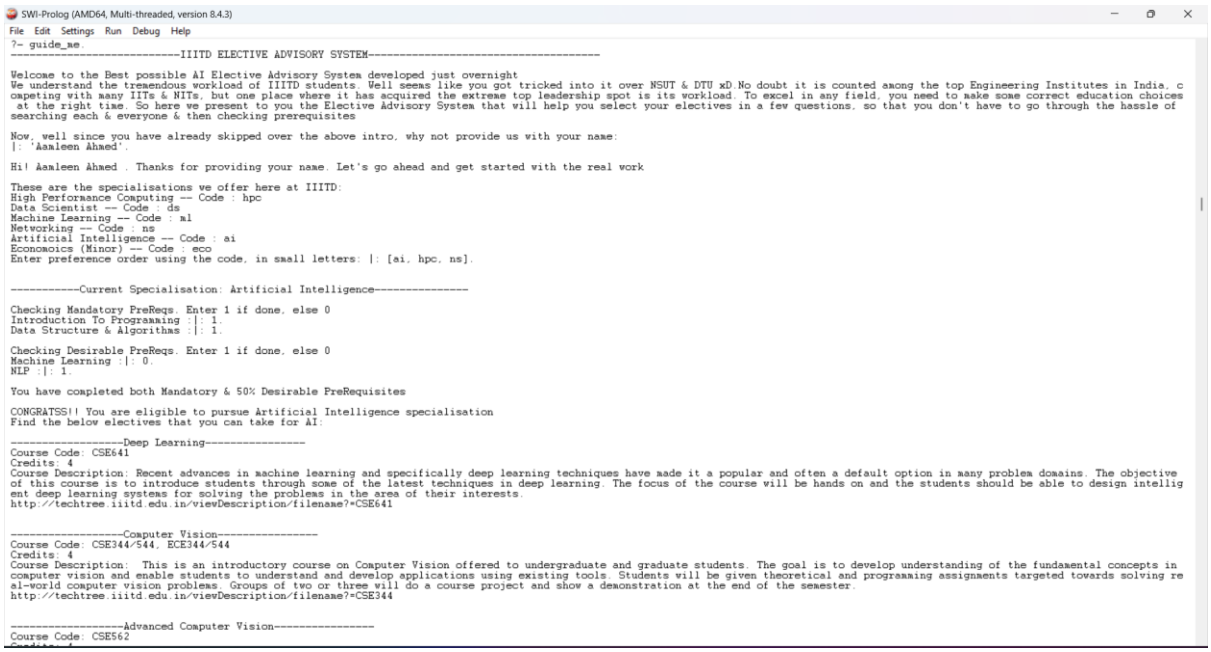
2020002

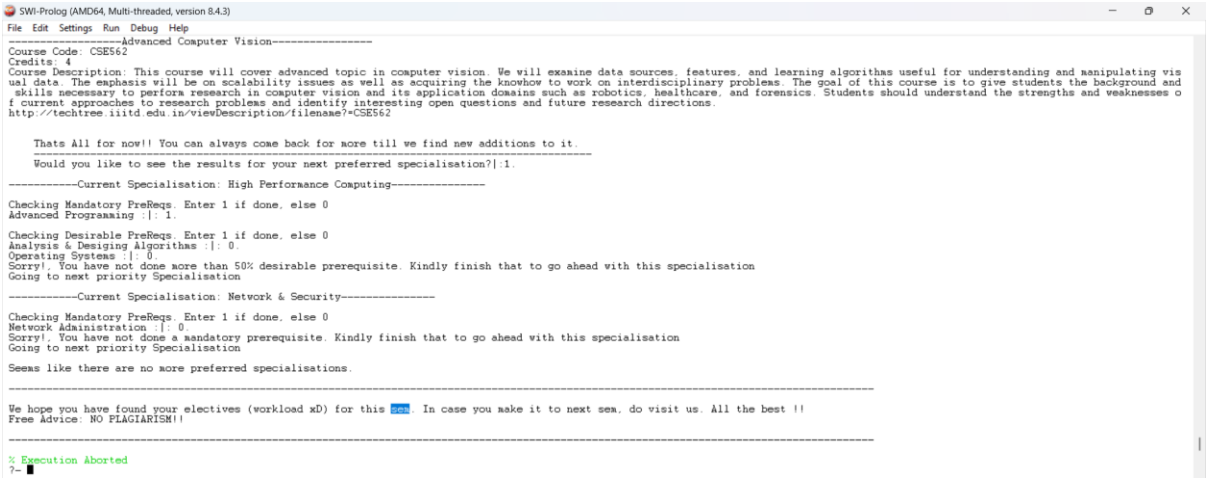
AI Assignment 1

Instructions to Run :

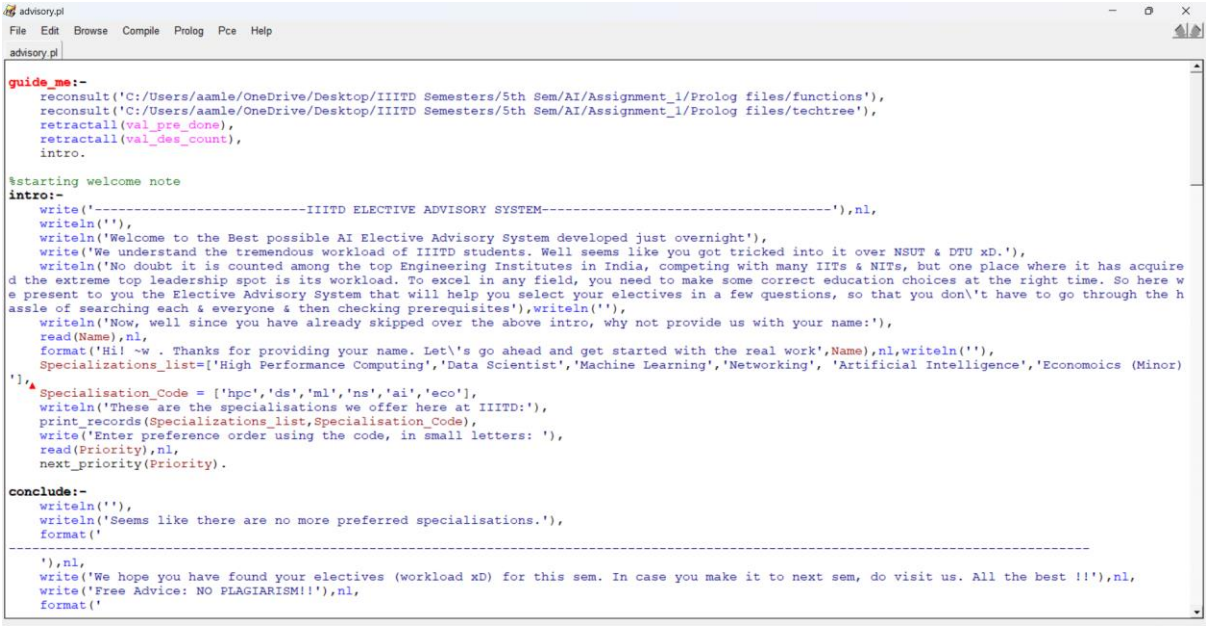
1. Install SWI-Prolog
2. Open advisory.pl in editing mode & replace the paths in guide_me→ reconsult()
3. Consult the file advisory.pl in prolog
4. Write guide_me.
5. Then give your name as input, when asked
6. Then enter your preferences in the form of Prolog list, eg – [ai, hpc, ns]
7. Now it will ask for your mandatory prerequisites' grades. If you have not done them, enter 0 else the grade.
8. Then it will ask for field's desirable prerequisites. If you have not done them, enter 0 else the grade. [ALERT!!: You need to do atleast 50% of the mandatory pre-reqs, as desirable] If a field has 5 mandatory, so you should have done atleast 3 or more.
9. It will suggest you the electives based on the response. If mandatory criteria not met, it will show appropriate message Same for desirable.
10. If you want to continue to your next preferred specialization, then enter 1 when prompted, else 0.

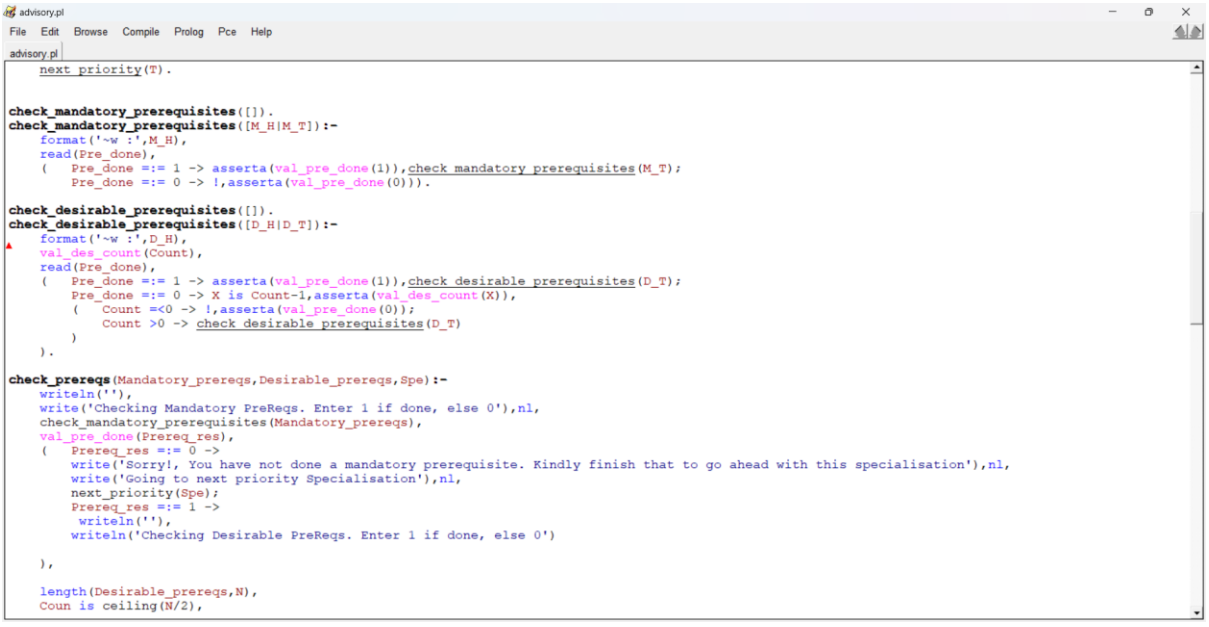
NOTE: ALL INPUTS MUST BE FOLLOWED BY FULL STOP.





Code Snippet:





Ingenuities used:

1. Cuts, backtracking
2. Lists (lots of lists)
3. Looping in Prolog
4. If-else
5. Nested if-else
6. Implementing counters, calculations, evaluations,
7. Appropriate custom message for the given shortcomings.