Assignment 1

- **Due Date &Time: 10.45pm on 29 Nov.**
- **Mode: Programming, Take Home, Teams as formed earlier. :**
- **Weight: 26M**
- **Fairness Policy:**
  - **Read the fairness policy given in the <u>course handout</u> .**
  - **You are expected to work within your team. Any kind of mal-practice will be handled stringently.**
- **Deliverables:**
  - **A Prolog program as described in your problem statement (see below)**
    - You are expected to use SWI Prolog. DO NOT use libraries or predicates that are available only in specific dialects of Prolog.
  - **A brief *readme* containing the description of the query format (to run your program) and the meaning**

of the (top-level) predicates defined in your program.

- Sample inputs that you have tested.

- **Submission:**
  - **Prepare a zip file (named using the IDs of the team members) containing the program file, *readme* file, and test input file(s).**
  - Only upload per team is required: Upload the zip file on the course website on *nalanda*

- **Programming Environment:**
  - **Use SWI-Prolog for programming. The environment is downloadable from the [SWI-Prolog site.](#)**

- **Evaluation:**
  - The assignment will be evaluated for correctness, design elegance / style, and efficiency of your program.
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- **Problem Statements**
  - Three problem statements **are given. You may choose any one of the three problems given.**

- In each statement an additional part is marked out only for teams of three students. 2-person teams need not solve this part.