```
Name - Yash Lakhtariya
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Al Practical 6
```

AIM: Create a study material recommender system for AI subjects.

Create a reading material recommendation system. Ask the user what he/she would like to learn and based on that recommended material.

#### Prolog File:

```
recommend material :-
  ask subject(Subject),
  ask level(Level),
  ask type (Type),
  suggest material (Subject, Level, Type, Material),
  nl, write('Based on your preferences, we recommend: '), nl,
   write(Material), nl.
ask subject(Subject) :-
   write('What AI-related subject would you like to learn about? '), nl,
   write('1. Predicate Logic'), nl,
   write('2. Prepositional Logic'), nl,
   write('3. Intelligent Agent'), nl,
   write('4. Informed Search'), nl,
   write('5. Uninformed Search'), nl,
  nl,
  read(Option),
   subject option(Option, Subject),
  nl.
subject option(1, 'Predicate Logic').
subject option(2, 'Prepositional Logic').
subject_option(3, 'Intelligent Agent').
subject_option(4, 'Informed Search').
subject option(5, 'Uninformed Search').
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```
ask level(Level) :-
   write('What is your proficiency level (1 for beginner, 2 for
intermediate, 3 for advanced)? '),
   read(Level), nl.
ask type(Type) :-
   write('Do you prefer reading, or watching? '),
   read (Type), nl.
suggest material(Subject, Level, Type, Material) :-
   material (Subject, Material, Level, Type).
material('Predicate Logic',
'https://drive.google.com/file/d/1X-dEOinigBWf0CDhtB4VqMY8bGke1d4E/view',
1, 'reading').
material('Predicate Logic', 'https://www.youtube.com/watch?v=FpGeg27Ffk8',
1, 'watching').
material('Prepositional Logic',
'https://drive.google.com/file/d/1X-dEOinigBWf0CDhtB4VqMY8bGke1d4E/view',
1, 'reading').
material('Prepositional Logic',
'https://www.youtube.com/watch?v=6490tKrGEic', 1, 'watching').
material('Intelligent Agent',
'https://drive.google.com/file/d/1c89-gv1cY9Os5K6m2TvKq95_J6igLl1b/view',
1, 'reading').
material('Intelligent Agent',
'https://www.youtube.com/watch?v=BkedAnQfJ U', 1, 'watching').
material('Informed Search', 'https://www.youtube.com/watch?v=gZpUcsB9TFc',
1, 'watching').
material('Informed Search',
```

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```
'https://drive.google.com/file/d/11F8hEuBhWLsNZwffBeAO9pYorJiAqUQ1/view',
1, 'reading').
material('Uninformed Search',
'https://drive.google.com/file/d/1Ju8Ffdo7ubLi4syHEq4vXKe4t2Xvd8K2/view',
1, 'reading').
material('Uninformed Search',
'https://www.youtube.com/watch?v=gZpUcsB9TFc', 1, 'watching').
study :-
   nl,
   write('Welcome to the Reading Material Recommendation System!'), nl,
   recommend material,
   nl, write('Would you like to save the recommended materials of all
subjects to a file? (yes/no) '),
   read(Choice),
   (Choice = 'yes' ->
       tell('ysl-material.txt'),
       forall (material (Subject, Source, Level, Type), (
           write('Subject: '), write(Subject), nl,
           write('Material Source: '), write(Source), nl,
           write('Level: '), write(Level), nl,
           write('Type: '), write(Type), nl,
           nl
       )),
       told:
       true
   ),
   nl,
   (Choice = 'no' -> write('The recommended materials are not saved to a
file.'); true),
   nl,
   write('Thank you for using the system!'), nl.
```

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#### Output:

