

Artificial Intelligence Sessional

CSE 702

Lab Experiments

1. Study on Arithmetic Operations (Add, Subtraction, Division, Multiplication) in python.
2. Study on Arithmetic Operations (Subtraction and Multiplication) in prolog.
3. Write a prolog program for addition of two numbers in artificial intelligence.
4. Write a prolog program for finding the sum of all numbers in a given list in artificial intelligence
5. Write a program to reverse given numbers in python.
6. Read the statements carefully:
Convert the following queries/facts into FOL

Sakib likes cricket.
Sakib likes football.
Sakib likes rugby.
Riad likes football.
Riad likes rugby.
Sabbir likes flower.
Sabbir likes custurd.
Sabbir likes fruits.

Rules/statements

1. Sabbir likes anyone who likes football.
2. Sakib likes anything that Sabbir likes.

Solve the following above with AI prolog.

7. Read the statements carefully:
Convert the following queries/facts into FOL


Rashid is the brother of Tamim.
Rashid is the brother of Rishab.
Champa is the sister of Tamim.
Champa is the sister of Rishab
Rashid is a man.
Tamim is a man.
Rishab is a man.
Champa is a woman.

Rules/queries

1. Find who's are woman.
2. Find who's are woman using variable.
2. Find who's are man.

3. Find Champa's brother.
4. Find Rashid's two brother.
5. Find Rashid's two brother using variable.

Solve the following above with AI prolog.

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8. Implement Eliza(chat-bot) using Simple Relational Knowledge.
 9. Implement a voice-bot using natural language processing and Simple Relational Knowledge.
 10. Implement a program to count all words of given file using Natural Language Processing(NLP) .

chatbot +