CSA-1704 AI FOR LLM

PROGRAM 19

**% --- Subject database ---**

**subject(cs101, 'Computer Science').**

**subject(ma102, 'Mathematics').**

**subject(ph103, 'Physics').**

**% --- Teacher database ---**

**teacher(alex, cs101).**

**teacher(ravi, ma102).**

**teacher(susan, ph103).**

**% --- Student database ---**

**student(john, cs101).**

**student(anu, ma102).**

**student(kumar, ph103).**

**student(sita, cs101).**

**student(rahul, ma102).**

**% --- Rules ---**

**% Find teacher of a student**

**teaches(Teacher, Student) :-**

**student(Student, SubCode),**

**teacher(Teacher, SubCode).**

**% Find all students under a teacher**

**students\_of(Teacher, Student) :-**

**teacher(Teacher, SubCode),**

**student(Student, SubCode).**

Queries:

?- teaches(Teacher, john).

Output:

