

Exp 19

% Facts

```
student(ram, cs101).
```

```
student(seetha, cs102).
```

```
teacher(arun, cs101).
```

```
teacher(meena, cs102).
```

% Rule: a teacher teaches a student if both share the same subject code

teaches(Teacher, Student) :-

```
    student(Student, SubCode),
```

```
    teacher(Teacher, SubCode).
```

```
Welcome to SWI-Prolog (threaded, 64 bits, version 8.4.3)
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```

```
For online help and background, visit https://www.swi-prolog.org
For built-in help, use ?- help(Topic). or ?- apropos(Word).
```

```
?-
% Updating index for library c:/users/administrator/downloads/swipl/library/
% Updating index for library c:/users/administrator/downloads/swipl/xpce/prolog/lib/
?-
|   teaches(Teacher, ram).
Teacher = arun.

?- teaches(meena, Student).
Student = seetha.
```