

PART1

Adding student

```
?- student(stu55,asd,no).  
false.  
  
?- enrollStudent(stu55,[cse331,cse341],no).  
true.  
  
?- student(stu55,[cse331,cse341],no).  
true.  
  
?- 
```

Add Course

```
?- course(c10,number,inst,need).  
false.  
  
?- appendCourse(c10,50,i1,[sth,chair]).  
true.  
  
?- course(c10,50,i1,[sth,chair]).  
true.  
  
?- 
```

Add Class

```
?- class(c3,s,a).  
false.  
  
?- appendClass(c3,100,[chair,table]).  
true.  
  
?- class(c3,A,B).  
A = 100,  
B = [chair, table].  
  
?- 
```

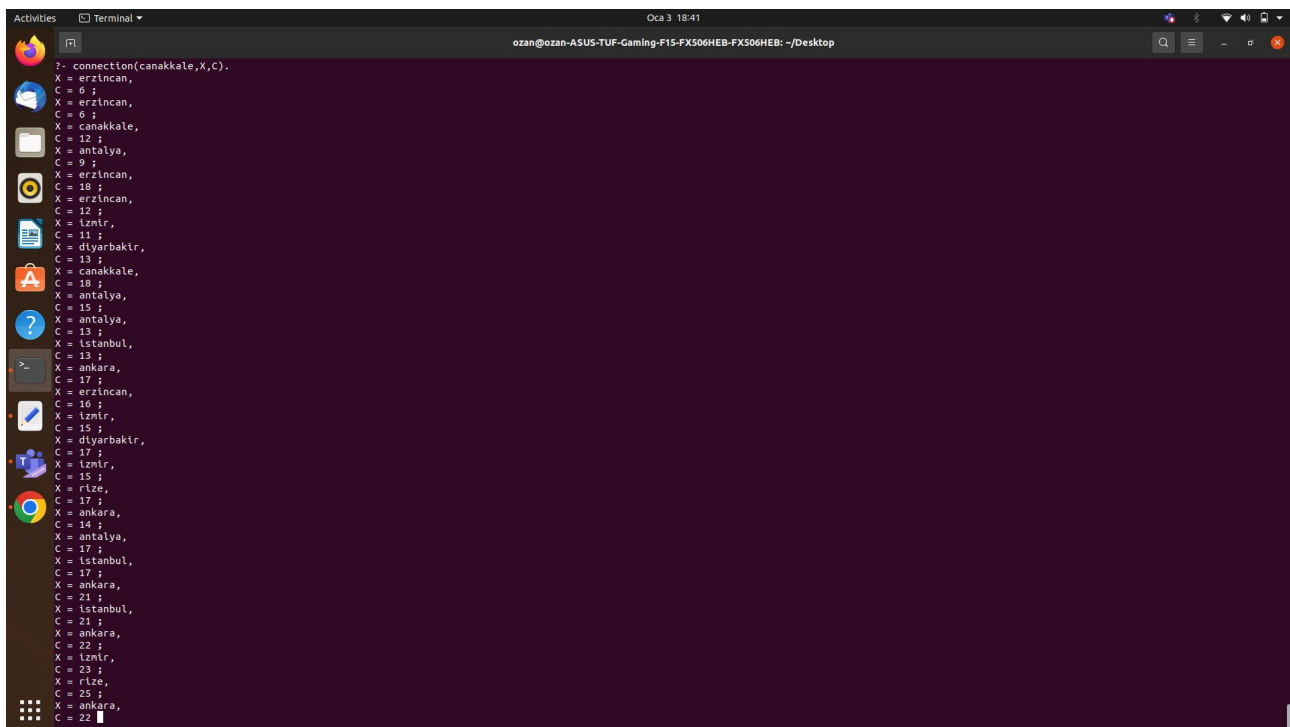
Conflict Checker

```
?-  
|   conflictsForCourses(c2,c3).  
false.  
  
?- conflictsForCourses(c1,c3).  
true.
```

```
?- courseOfStudent(c1,A).  
A = class1 ;
```

```
?- classOfStudent(s1,class1).  
true .
```

PART 2



The screenshot shows a Linux desktop environment with a terminal window open. The terminal displays the following Prolog code and its output:

```
?- connection(canakkale,X,C).  
X = erzincan,  
C = 6 ;  
X = erzincan,  
C = 6 ;  
X = canakkale,  
C = 12 ;  
X = antalya,  
C = 9 ;  
X = erzincan,  
C = 18 ;  
X = erzincan,  
C = 12 ;  
X = izmir,  
C = 11 ;  
X = diyarbakir,  
C = 13 ;  
X = canakkale,  
C = 18 ;  
X = antalya,  
C = 15 ;  
X = antalya,  
C = 13 ;  
X = istanbul,  
C = 13 ;  
X = ankara,  
C = 17 ;  
X = erzincan,  
C = 16 ;  
X = izmir,  
C = 15 ;  
X = diyarbakir,  
C = 17 ;  
X = izmir,  
C = 15 ;  
X = rize,  
C = 17 ;  
X = ankara,  
C = 14 ;  
X = antalya,  
C = 17 ;  
X = istanbul,  
C = 17 ;  
X = ankara,  
C = 21 ;  
X = istanbul,  
C = 21 ;  
X = ankara,  
C = 22 ;  
X = izmir,  
C = 23 ;  
X = rize,  
C = 25 ;  
X = ankara,  
C = 22 ;
```

```
Activities Terminal Oca 3 18:42
ozan@ozan-ASUS-TUF-Gaming-F15-FX506HEB-FX506HEB: ~/Desktop

C = 22 ;
X = izmir,
C = 28 ;
X = diyarbaktr,
C = 30 ;
X = istanbul,
C = 23 ;
X = rize,
C = 27 ;
X = van,
C = 26 ;
X = antalya,
C = 30 ;
X = istanbul,
C = 30 ;
X = ankara,
C = 34 ;
X = antalya,
C = 34 ;
X = ankara,
C = 38 ;
X = erzincan,
C = 37 ;
X = izmir,
C = 36 ;
X = diyarbaktr,
C = 30 ;
X = izmir,
C = 44 ;
X = diyarbaktr,
C = 40 ;
X = istanbul,
C = 39 ;
X = rize,
C = 43 ;
X = van,
C = 42 ;
X = izmir,
C = 25 ;
X = rize,
C = 27 ;
X = ankara,
C = 24 ;
X = istanbul,
C = 31 ;
X = ankara,
C = 32 ;
X = ankara,
C = 30 ;
X = gaziantep,
C = 29 ;
X = izmir,
C = 36 ;
X = diyarbaktr,
C = 38 ;
```