

# CSE341 - Programming Languages(2022-2023)

## HOMEWORK 4

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You can run the program on ubuntu shell with the following comments:

For part1:

gprolog

[part1].

For part2:

gprolog

[part2].

### PART1:

You can see the rules with the names of room, instructor, courseEquipment, course, roomEquipment, student.

If you write the commands below to terminal, the program will work on the way as described:

- schedulingConflict.

This command will show the schedule conflicts.

- canBeAssign2Class(Course).

This command will show if given course can be assign to a room.

- canBeAssign2Class.

This command will show if a course can be assign to a room or not.

- studentEnrollingCheck(Student,Course).

This command will show if a given student can be assign to a given course due to his handicap.

- studentEnrollingCheck(Student).

This command will show which student can be assign to which course.

- addRoom.
- addInsructor.
- addCourseEquipment.
- addCourse.
- addRoomEquipment.
- addStudent.

Commands can be used for adding new elements to the system as expected in the assignment.

## PART2:

All requirements are applied. After running the code, you can see all the options by pressing the ‘;’ key.

```
C = 6
X = erzincan ? ;

C = 9
X = antalya ? ;

C = 12
X = canakkale ? ;

C = 11
X = izmir ? ;

C = 13
X = diyarbakir ? ;

C = 12
X = erzincan ? ;

C = 17
X = ankara ? ;

C = 13
X = istanbul ? ;

C = 13
X = antalya ? ;

C = 23
X = izmir ? ;

C = 18
X = istanbul ? []
```