With the rule:
hasClass(Y,Z):- teacher(X,Y),class(X,Z).
We can check if specific student has a class.

```
?- hasClass(yoana,discrete_math).
true
```

```
?- hasClass(yoana,system_intelligence).
false.
```

If a student is assigned to a teacher they have all their classes or that how the prolog program is built.

---

timeTable(Y,Z,B):-teacher(X,Y),class(X,Z),room(Z,A),timeClass(Z,B).
So a student timetable can be chacked.

```
?- timeTable(yoana,discrete_math,B).
B = thursday_12_30
```

---

allClassInARoom(Z,A):- room(Z,A).
Check all classes in a room?

```
?- allClassInRoom(Z,101).
Correct to: "allClassInARoom(Z,101)"?
Please answer 'y' or 'n'? yes
Z = discrete_math ;
Z = javascript_shit.
```

---

classInfoStudents(Y,B,X):- timeClass(Z,B),class(X,Z),teacher(X,Y).
With this rule we can check for example when a student has a class with teacher.

```
?- classInfoStudents(yoana,B,anders).
B = thursday_12_30
```

```
?- classInfoStudents(Y,B,anders).
Y = yoana,
B = thursday_12_30 ;
Y = manish,
B = thursday_12_30 ;
Y = ivan,
B = thursday_12_30 ;
```

All students having classes with anders and what time.

---

read_studentName(Y) :-

I successfully created and input from a user for deciding if a student name is that what corses they have.

```
?- read_studentName(Y).
please type name of student :
|: yoana.

discrete_math
Y = yoana ,
```