ANON - 14:34
Q: I have yet to be able to login to submitty. Will we have the same
deadline as last quiz (4pm EST or something like that)?
Priority: N/A
Konstantin Kuzmin - 14:35
A: Try refreshing the page. Yes, the deadline is 4:19:59 pm
EDT.

ANON - 14:48
Q: when are we returning here for lecture?
Priority: N/A
Ana L. Milanova - 14:48
A: 3pm

ANON - 14:48
Q: what does it mean "associated with nearest unmatched 'then'"
Priority: N/A
Konstantin Kuzmin - 14:51
A: We can't answer questions, related to quiz contents while
the quiz is open. Try to do your best to interpret the question.

ANON - 14:55
Q: Can we submit multiple times?
Priority: N/A
Ana L. Milanova - 14:56
A: Yes

ANON - 14:57
Q: Can we have the HW deadline extended to midnight? I (along with
many others, I think) saw the 1:59 deadline as 11:59 and assumed
midnight.
Priority: N/A

ANON - 14:59
Q: I finished the Quiz and was hoping that after the Quiz was finished
if this Question could be answered. I was wondering if to determine
LL(1) if you always had to draw the Parsing Table, if the Grammar is
determined to not be Ambiguous.
Priority: N/A
    Ana L. Milanova - 15:00
    A: We can answer this question next time since submission is open until the end of class

ANON - 15:00
Q: there is no test case 14?
Priority: N/A
    Konstantin Kuzmin - 15:22
    A: It is test 12 in this quiz. Just look for the test name to be "Check Honor Pledge".

ANON - 15:01
Q: This isn't a quiz-related question, but how can we confirm our attendance via mediasite?
Priority: N/A
    Ana L. Milanova - 15:02
    A: You can check the gradeable for the week. And if you think we have missed your attendance, let us know.

ANON - 15:01
Q: When will the grade for quizzes be released?
Priority: N/A
    Ana L. Milanova - 15:03
    A: We release the grades by following class or earlier.
    Ana L. Milanova - 15:03
    A: Quiz 1 is already out.

ANON - 15:02
Q: Im getting no audio
Priority: N/A
    Steven Haussmann - 15:03
    A: Webex may be playing the audio on the wrong device. Assuming you're on Windows, you can disable devices until it picks the right one -- I don't see a way to control the streamed video output device

ANON - 15:02
Q: Do you need to download it on our laptop or will a home computer work?
Priority: N/A
    Ana L. Milanova - 15:05
    A: Prolog I'm assuming. You can download anywhere you would like. Submission of homework is autograded in Submitty.
Q: Afternoon all. Are we allowed to ask questions about the quiz?
Priority: N/A
Steven Haussmann - 15:04
A: You can submit the quiz up until the end of class, so no

Q: Should we get the stable version of Prolog or is another version recommended?
Priority: N/A
Steven Haussmann - 15:05
A: That will suffice. I don't think we're using any bleeding-edge features!
Ana L. Milanova - 15:05
A: Stable version.

Q: What does it mean by "match"?
Priority: N/A
Ana L. Milanova - 15:11
A: They are the same term (essentially).

Q: Could we go back to the last few seconds of the first video for a little bit? Just want to copy your writing.
Priority: N/A
Konstantin Kuzmin - 15:24
A: Done.

Q: Can you give a brief synopsis of logic programming and functional programming?
Priority: N/A
Steven Haussmann - 15:16
A: Logical programming sets out a series of statements and tries to find a way to satisfy all of them. Functional programming mostly revolves around the composition and application of pure (side-effect-free) functions

Q: SWI Prolog is just the terminal?
Priority: N/A
Steven Haussmann - 15:20
A: SWI-Prolog is an implementation of Prolog. If you're talking about the executable, it depends on your platform, but yes, one of the things included is a REPL (i.e. an interactive prompt).

ANON - 15:23
Q: Why does it say "name: Not found" on Check Honor Pledge entry?
Priority: N/A
Konstantin Kuzmin - 15:27
A: Submitty didn't find your name in the list of students. Please send us an email, so that I could look into that problem and correct it. Make sure that you put your first name last name under the Honor Pledge.

ANON - 15:28
Q: So what would !likes(al, pie) Output then?
Priority: N/A
Ana L. Milanova - 15:29
A: Prolog is a subset of first order logic. One of the restrictions is that it does not allow for negative assertions. We cannot assert things like !likes(al, pie).
Ana L. Milanova - 15:31
A: We can ask a query !likes(al,pie), and Prolog will answer true. It has failed to assert likes(al,pie), which makes the negation true. More on negation in prolog later.
Steven Haussmann - 15:32
A: Prolog does have the notion of "not provable", so you can *query* for something like that: \+likes(al, pie). gives "true" as a result. However, as Milanova said, you cannot assert a negative. There are no negative facts.

ANON - 15:29
Q: so if prolog cannot assert a theorem as true, it defaults to false? eg, not Likes(pie, al), would be true, because it cannot assert that al likes pie
Priority: N/A
Ana L. Milanova - 15:29
A: Correct.

ANON - 15:32
Q: So Variables Values can be specified after the Query? And if no Value is specified for that Variable then Prolog searches the Entire Database for all Potential Values?
Priority: N/A
Ana L. Milanova - 15:33
A: Yes, that's correct.
Q: for "?-likes(eve, W), person(W), food(V)" why aren't "W=eve, V=pie" and "W=eve, V=apple" answers too?

A: Because in our database of facts only tom is a person, i.e., we don't have person(eve).

Q: is it just me one having trouble with audio?

Q: ok no need to answer that. i see i am not. I will stream on mediasite.

A: See my answer from around the top of the hour above -- webex is probably sending the audio to the wrong place. If so, disabling all devices other than the one you want the audio to come out on should correct it

A: the streamed content ignores your output settings in webex

Q: Strangely enough I have audio when the lecture is not being streamed.

A: It will terminate once it fails to find any more satisfying assignment for your variables.

Q: What does the period mean in prolog?

A: The period ends a statement.
ANON - 15:45
Q: So does that mean that when you enter a query, Prolog has automatically done one extra search?
Priority: N/A
Ana L. Milanova - 15:47
A: When Prolog sees the query, it starts the search.
Steven Haussmann - 15:49
A: If you're referring to how it automatically ends the search if there's aren't more answers, rather than requiring you to enter ; to make it check for more, I do believe that Prolog recognizes there can't be more answers and stops immediately.

ANON - 15:50
Q: Sorry, so does the query terminate automatically when there's no more answers? Or you have to type ; one more time?
Priority: N/A
Ana L. Milanova - 15:52
A: Depends on the query and database of facts. Sometimes, Prolog is able to see there is nowhere more to search; in this case it will terminate with a full stop. Other times, it will look like there is more to search; in this case prolog will not terminate
Ana L. Milanova - 15:52
A: the query. And if the user presses ;, it will terminate then with just . or false.

ANON - 15:53
Q: In the Example with snowy(troy), it was not specified by rainy(troy), cold(troy) so if we then queried ? - rainy(C) would this return C = troy as well although not explicitly stated?
Priority: N/A
Ana L. Milanova - 15:53
A: No.
Ana L. Milanova - 15:55
A: Prolog proved snowy(troy) due to the second clause, snowy(troy). But we don't have a fact rainy(troy), or a deductive rule that can help us prove rainy(troy).

ANON - 15:58
Q: could you specify something like rainy(x) := snowy(x) to make that work?
Priority: N/A
Ana L. Milanova - 15:58
A: Yes, that should work.
Ana L. Milanova - 15:58
A: rainy(X) :- snowy(X).
Ana L. Milanova - 15:59
A: X should be upper case, to denote a variable.
ANON – 15:59
Q: Are the steps for installing and running prolog the same for windows/ubuntu? Also, which platform do you recommend?
Priority: N/A
    Steven Haussmann – 15:59
    A: I've had no problems on Windows or Linux, so I would suggest using whatever platform you're already familiar with.

ANON – 15:59
Q: I'm watching on media site? am I just behind or.... because I have like seattle and rochester, not troy. Are they just different values? can someone tell me what timestamp you all are currently on? I can't see the video on webex due to linux difficulties
Priority: N/A
    Steven Haussmann – 16:00
    A: at the time I answered this, we're at 14:00 or so into the third part
    Ana L. Milanova – 16:02
    A: On slide 28 I changed the snowy example slightly, adding snowy(troy) as a fact at the end. That's what we were discussing. The snowy.pl example we are usually referring to, does not include snowy(troy).

ANON – 16:02
Q: So when X is initially bound to seattle, simultaneously C is also bound to that value since they are unified? And when we backtrack, X, the same occurs for C?
Priority: N/A
    Ana L. Milanova – 16:03
    A: Yes.

ANON – 16:07
Q: can variables unify with functors?
Priority: N/A
    Ana L. Milanova – 16:08
    A: Yes, variables can unify with structures.

ANON – 16:12
Q: Why is ajit for art not also output?
Priority: N/A
    Ana L. Milanova – 16:16
    A: Because the query is classmates(jane,Y), and having Y=ajit // Z=cs would require that takes(jane,art) is asserted as true.
ANON - 16:12
Q: When will the hw be posted?
Priority: N/A

ANON - 16:14
Q: Oh never mind I understand, for the Above Question.
Priority: N/A

ANON - 16:15
Q: so when I enter a query into prolog, eg Food(X), it returns only the first satisfying instance – should this return all satisfying instances?
Priority: N/A
Steven Haussmann - 16:16
A: it will return one set of satisfying assignments, then wait for your input. Hit ; to see another set of answers, ot hit . to stop

ANON - 16:16
Q: If given a question about the bindings for C (like in slide 35), is it only asking for the results of the goal?
Priority: N/A
Ana L. Milanova - 16:18
A: Yes, the question is asking for the possible bindings for C. And that's what Prolog outputs. Prolog does not output the values of Z that lead to that particular binding for C, we just did this as exercise.

ANON - 16:17
Q: Would we go over the Search Tree for the Final Exercise next class?
Priority: N/A
Ana L. Milanova - 16:18
A: We can do that.

ANON - 16:17
Q: Why is C = jane returned twice again? I might have missed this in the video.
Priority: N/A
Ana L. Milanova - 16:19
A: We’ll go over the tree in the beginning of next class. But basically, because there are two different values of Z, Z = his, and Z=art that make classmates(jane,jane) true.
Ana L. Milanova - 16:19
A: Sorry, Z=his and Z=cs.