



SISTER NIVEDITA UNIVERSITY



ARTIFICIAL INTELLIGENCE LAB ASSIGNMENT

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ASSIGNMENT 3

23/11/2020 – 24/11/2020

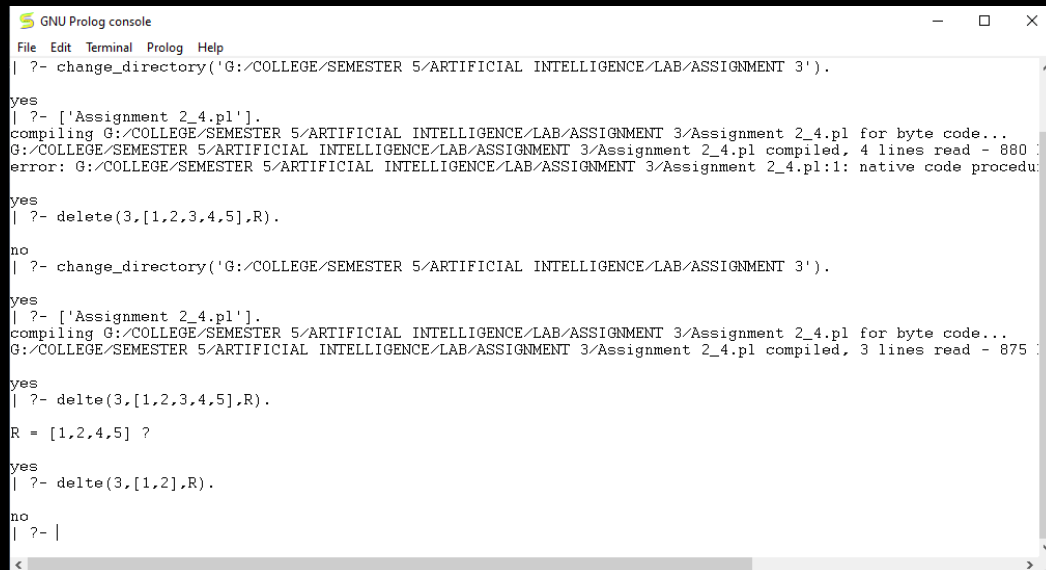
1. Write a prolog predicate `remove_third(X,Y)` that is true if list `Y` is just list `X` with its third element removed. If `X` has no third element, then the predicate should fail.

➤ `delte(1,[_|T],T).`

`delte(P,[X|Y],[X|R]):-`

`P1 is P-1,`

`delte(P1,Y,R).`



```
GNU Prolog console
File Edit Terminal Prolog Help
| ?- change_directory('G:/COLLEGE/SEMESTER 5/ARTIFICIAL INTELLIGENCE/LAB/ASSIGNMENT 3').
yes
| ?- ['Assignment 2_4.pl'].
compiling G:/COLLEGE/SEMESTER 5/ARTIFICIAL INTELLIGENCE/LAB/ASSIGNMENT 3/Assignment 2_4.pl for byte code...
G:/COLLEGE/SEMESTER 5/ARTIFICIAL INTELLIGENCE/LAB/ASSIGNMENT 3/Assignment 2_4.pl compiled, 4 lines read - 880
error: G:/COLLEGE/SEMESTER 5/ARTIFICIAL INTELLIGENCE/LAB/ASSIGNMENT 3/Assignment 2_4.pl:1: native code procedu
yes
| ?- delete(3,[1,2,3,4,5],R).
no
| ?- change_directory('G:/COLLEGE/SEMESTER 5/ARTIFICIAL INTELLIGENCE/LAB/ASSIGNMENT 3').
yes
| ?- ['Assignment 2_4.pl'].
compiling G:/COLLEGE/SEMESTER 5/ARTIFICIAL INTELLIGENCE/LAB/ASSIGNMENT 3/Assignment 2_4.pl for byte code...
G:/COLLEGE/SEMESTER 5/ARTIFICIAL INTELLIGENCE/LAB/ASSIGNMENT 3/Assignment 2_4.pl compiled, 3 lines read - 875
yes
| ?- delte(3,[1,2,3,4,5],R).
R = [1,2,4,5] ?
yes
| ?- delte(3,[1,2],R).
no
| ?- |
```