

Concepts of Programming Languages, CSCI 305, Fall 2021
Lab 5, Prolog, Oct. 15

Use SWI-Prolog which is installed on the lab machines.

Write prolog code to perform the following functions. (Note that you have already written Scheme code for many of these.)

1. Define the *sum* function which takes two numbers and returns the sum of the numbers.
Example:
 $sum(4,5,X)$. returns $X = 9$.
2. Define the *sumList* function which takes a list of numbers and returns the sum of them. If the list is empty, return 0.
3. Define the function *average* which takes two numbers and returns the average of the numbers.
4. Define the function *averageList* which takes a non-empty list of numbers and returns the average of the numbers in the list.

