**Department of Computer Engineering**

**Academic Term II : 22-23**

**Class: B.E (Comp A), SemVI Subject Name: Artificial Intelligence**

**Student Name: MAHEK INTWALA Roll No: 9423**

| **Practical No:** | **6** |
| --- | --- |
| **Title:** | **Prolog programming set 1** |
| **Date of Performance:** |  |
| **Date of Submission:** |  |

**Rubrics for Evaluation:**

| **Sr. No** | **Performance Indicator** | **Excellent** | **Good** | **Below Average** | **Marks** |
| --- | --- | --- | --- | --- | --- |
| 1 | On time Completion & Submission (01) | 01 (On Time ) | NA | 00 (Not on Time) |  |
| 2 | Logic/Algorithm Complexity analysis(03) | 03(Correct) | 02(Partial) | 01 (Tried) |  |
| 3 | Coding Standards (03): Comments/indention/Naming  conventions  Test Cases /Output | 03(All used) | 02 (Partial) | 01 (rarely followed) |  |
| 4 | Post Lab Assignment (03) | 03(done well) | 2 (Partially Correct) | 1(submitted) |  |
| **Total** | | | | |  |

**Signature of the Teacher :**

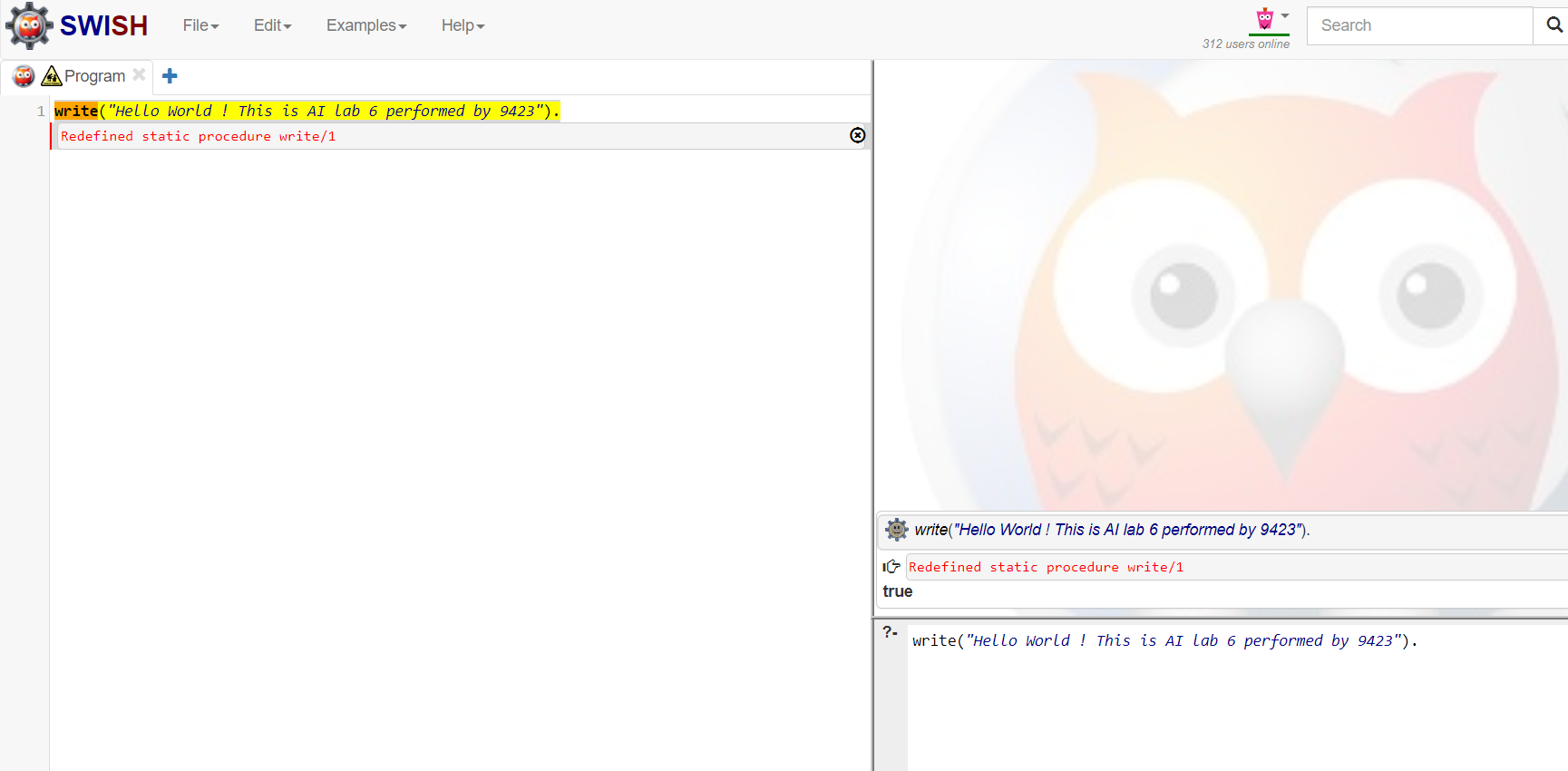
**Experiment No: 6**

**Title:** Prolog Programming Set 1

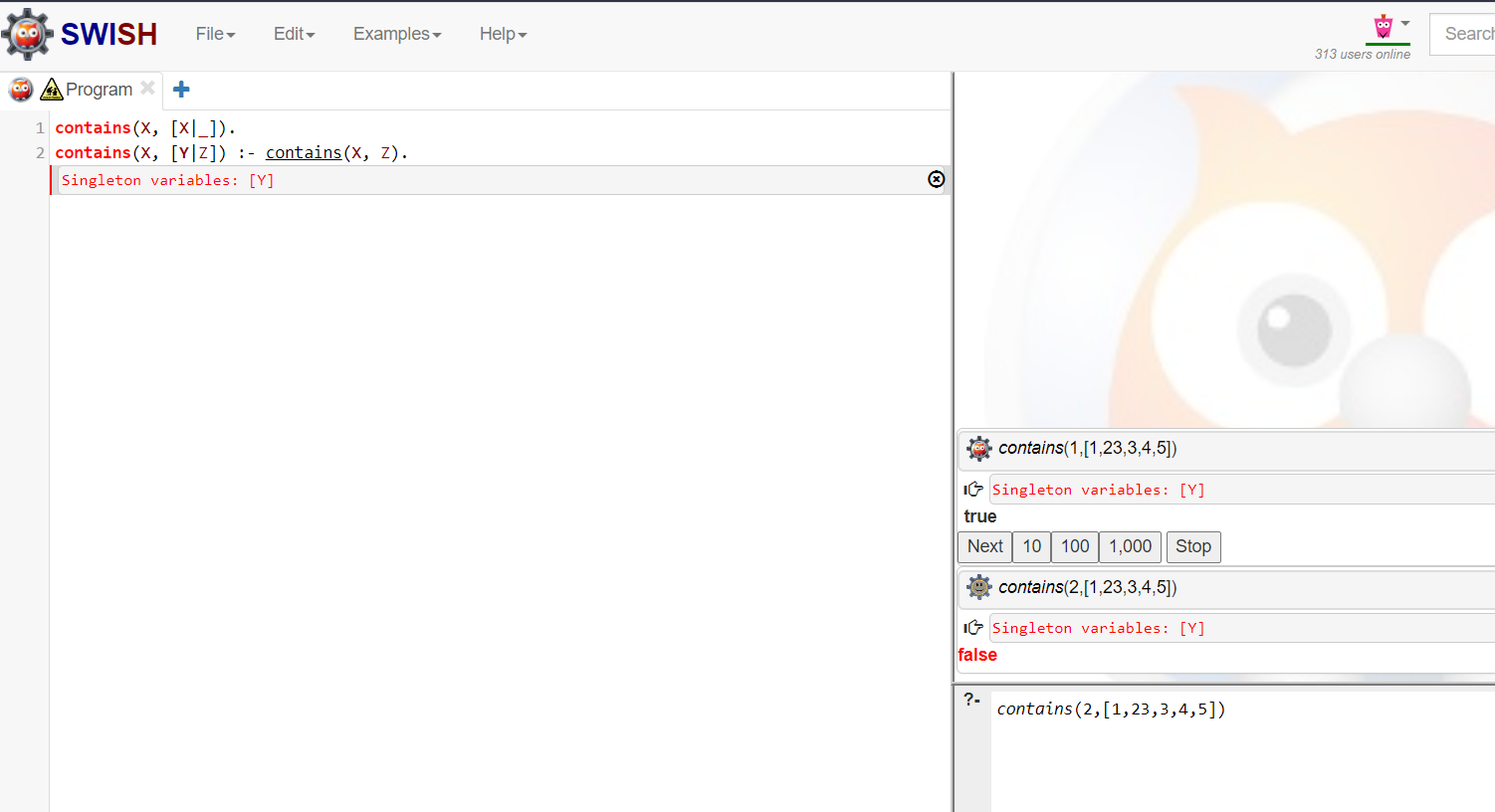
**Objective:** To get acquainted with logical programming

**Implement:**

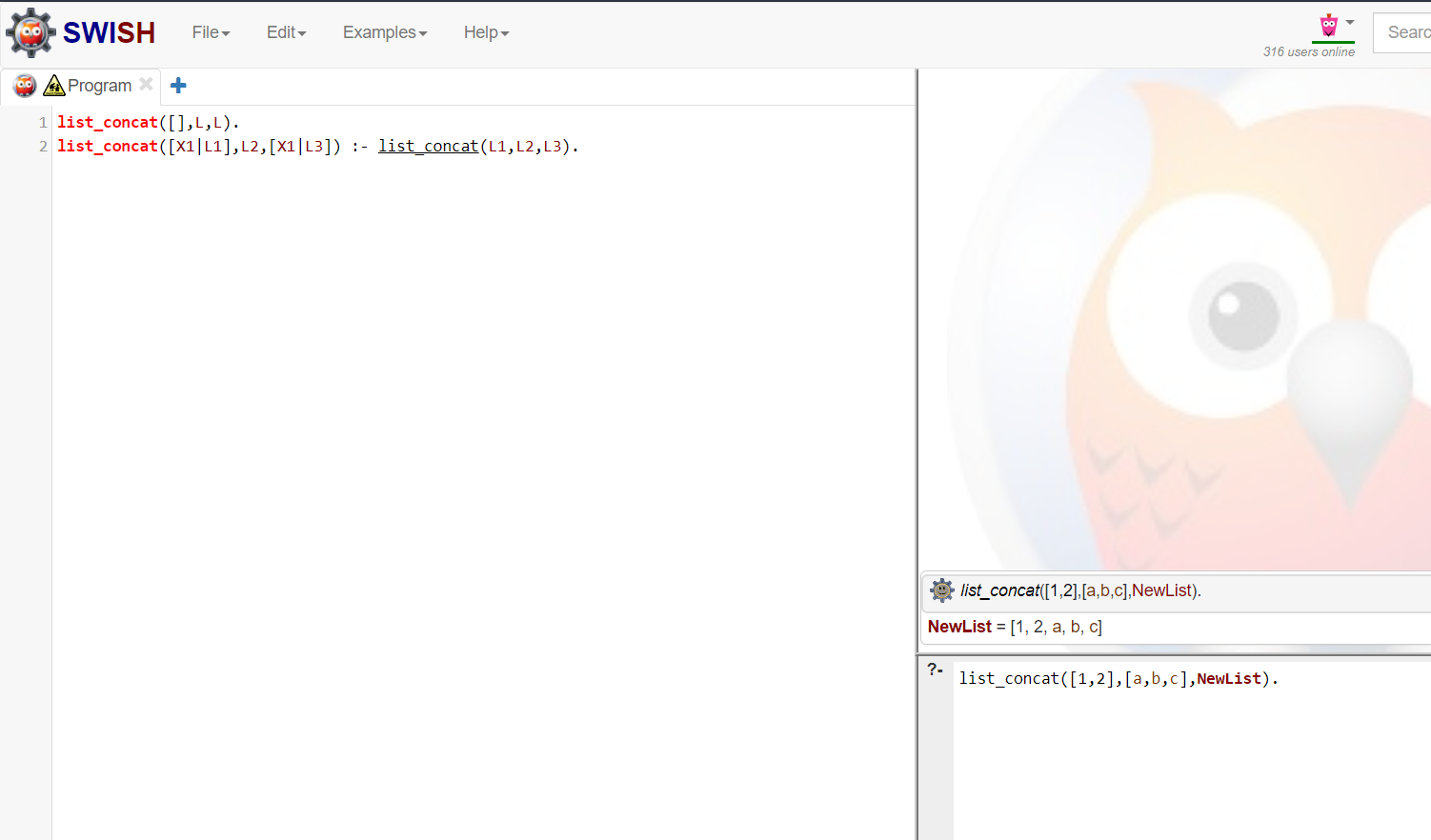
1.Hello, World!" program

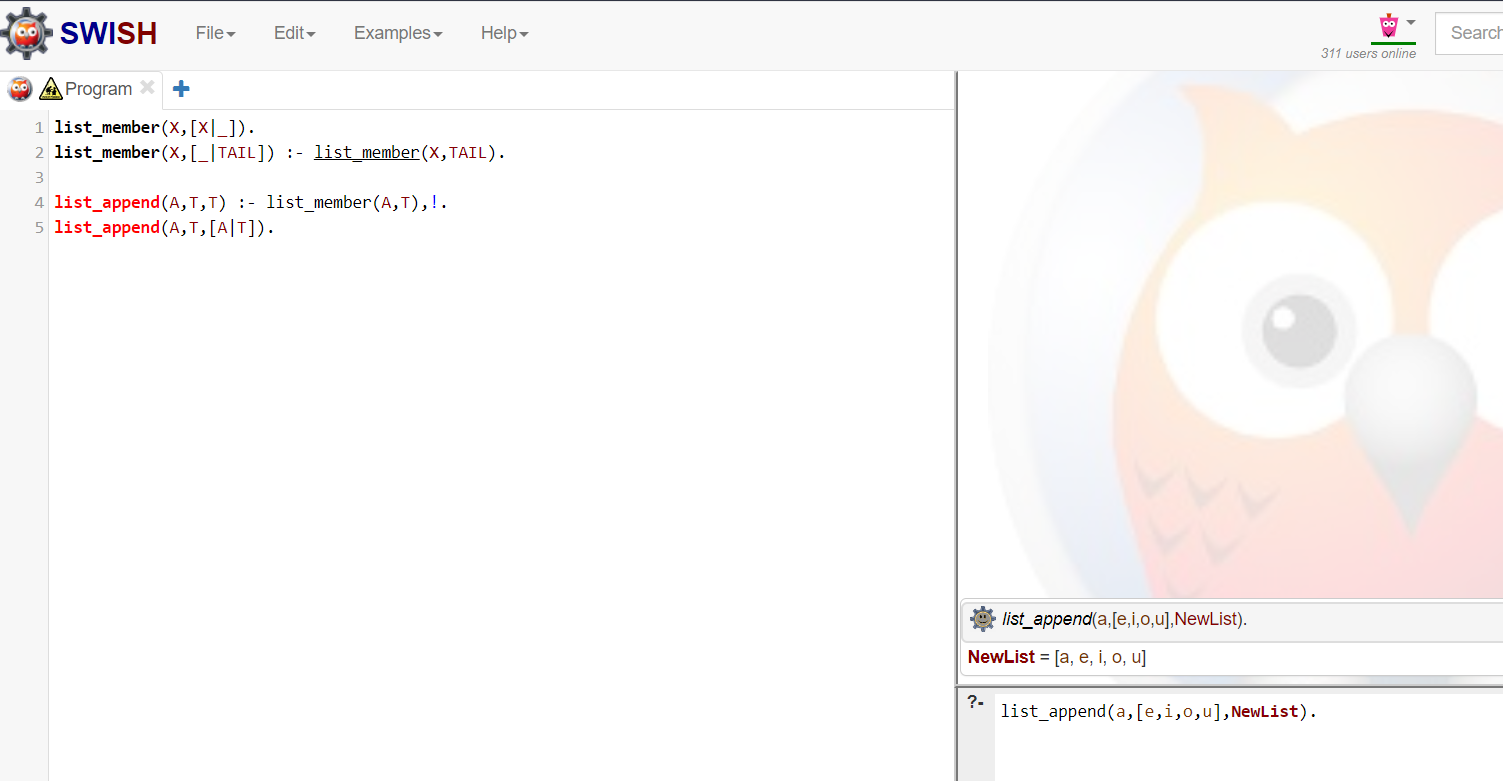


2.Program to check if an element is a member of a list

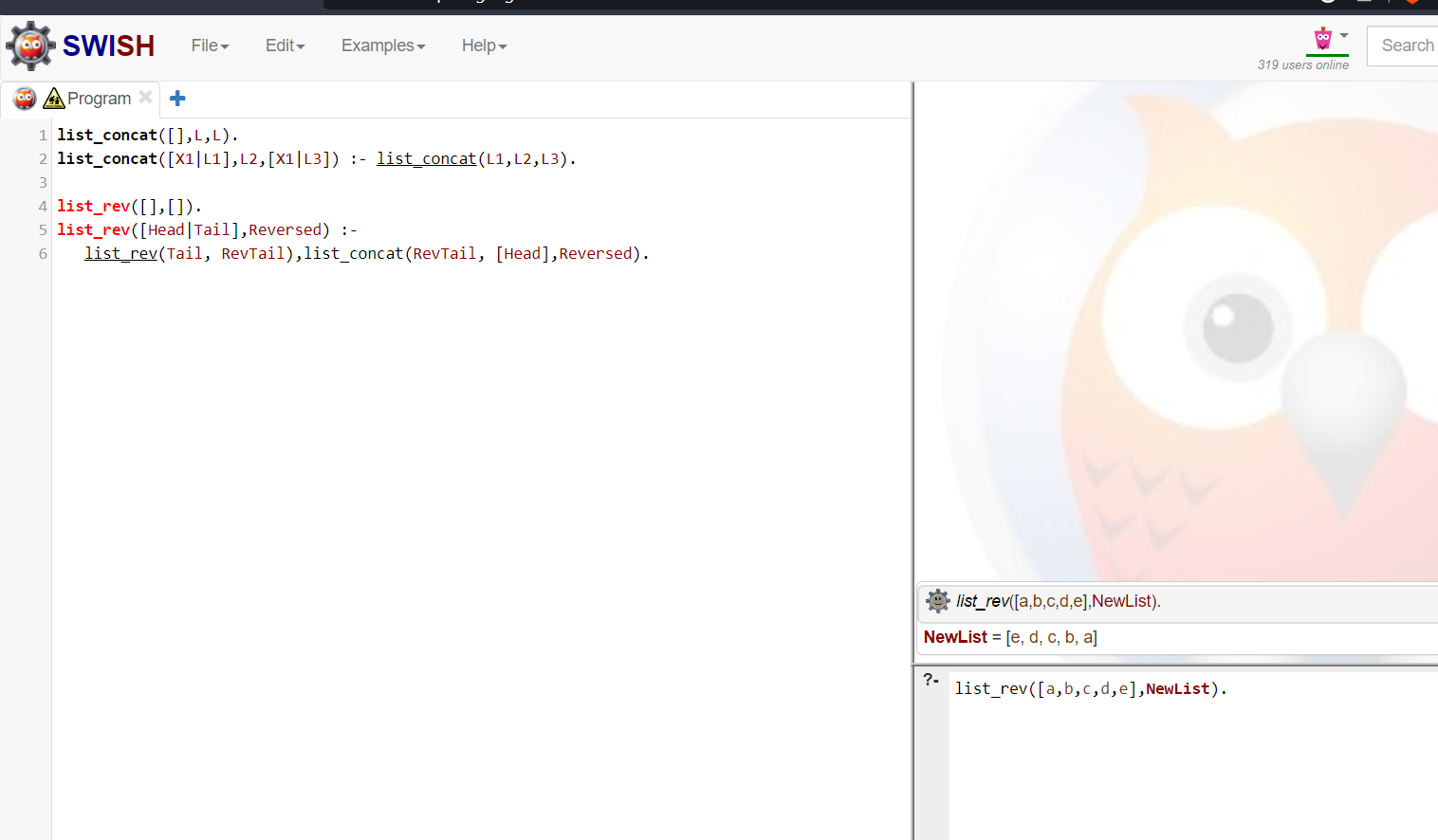


3.Program to append two lists

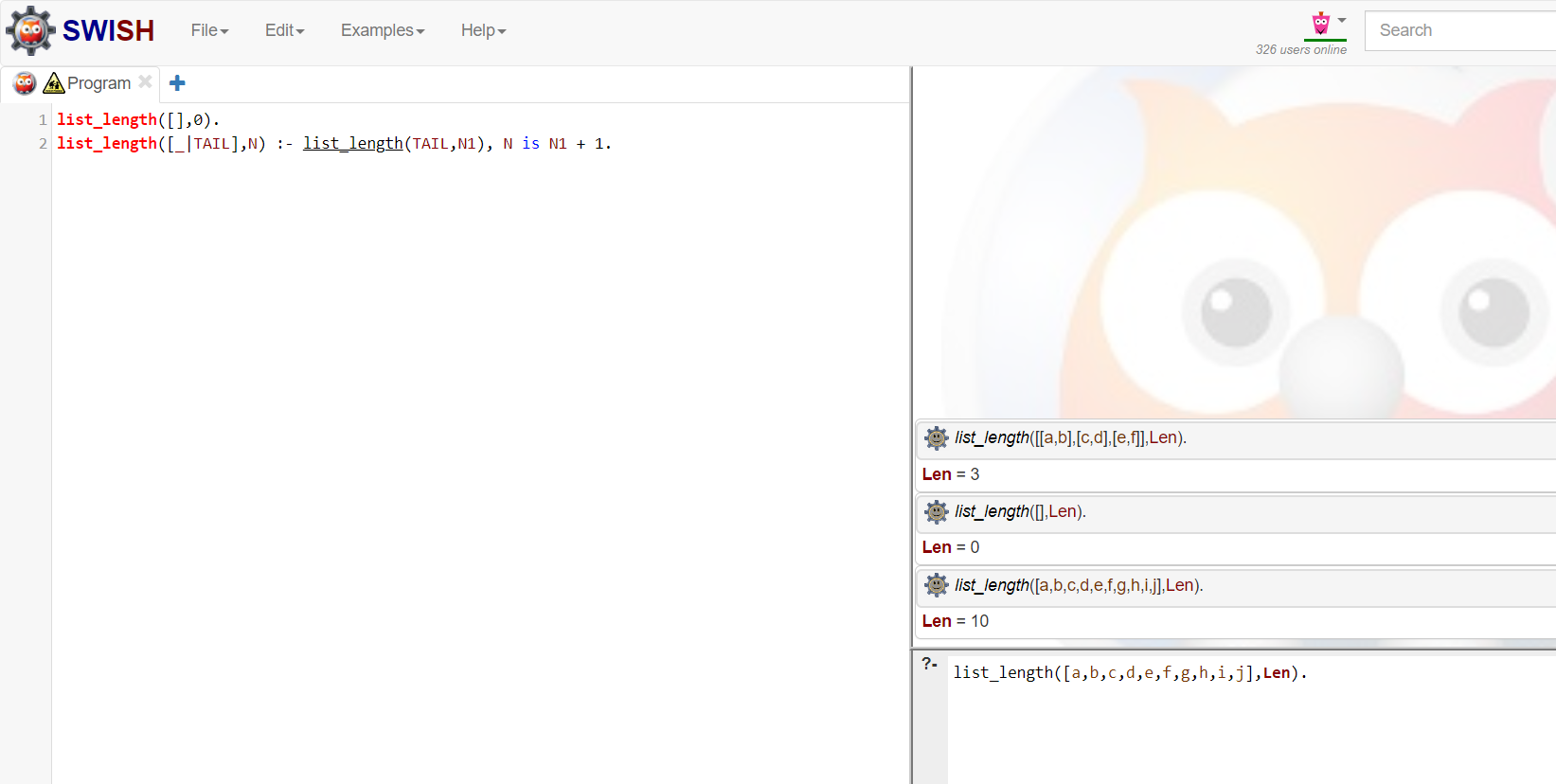




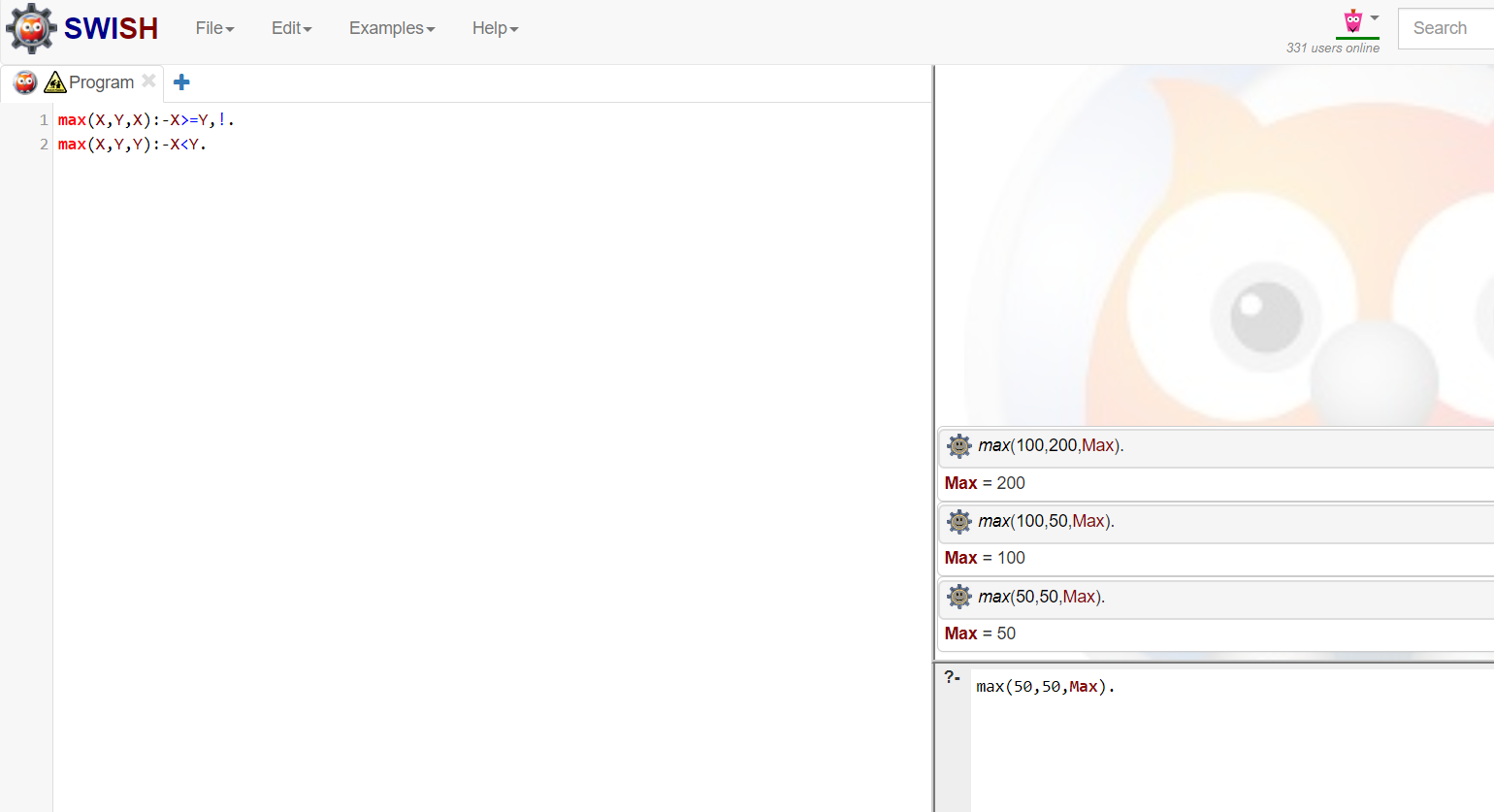
4.Program to reverse a list



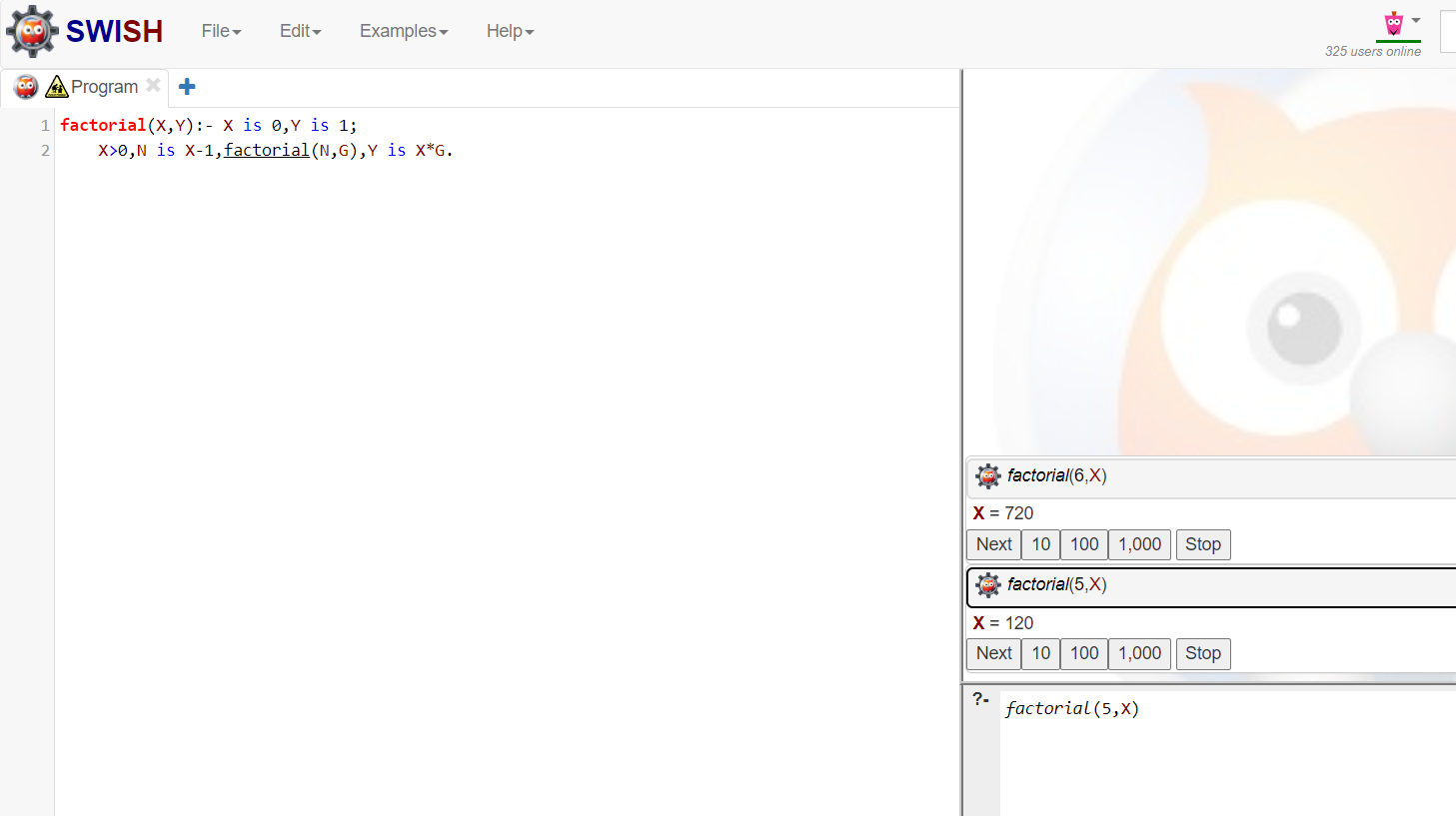
5.Program to find the length of a list



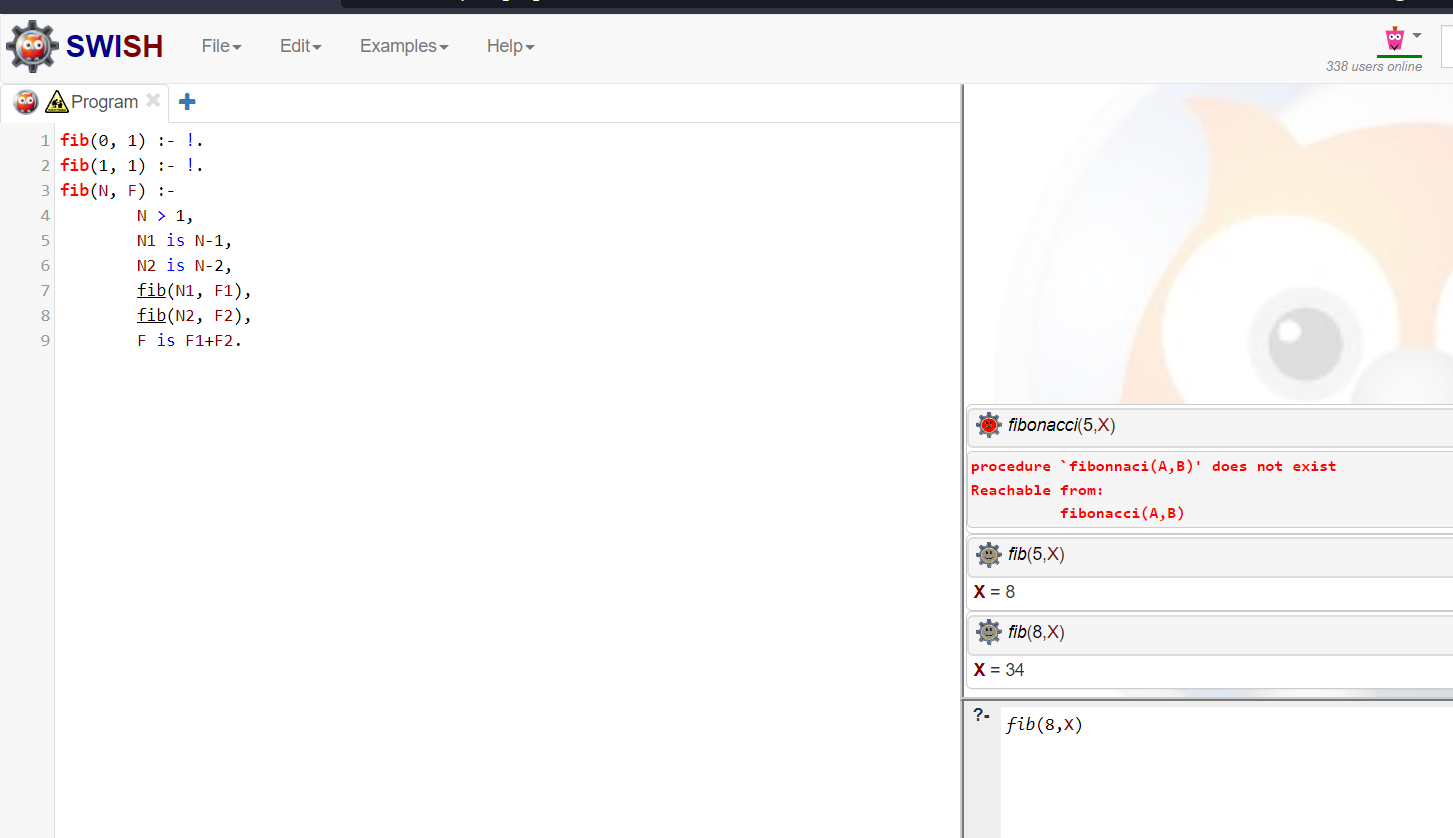
6.Program to find the maximum of two numbers



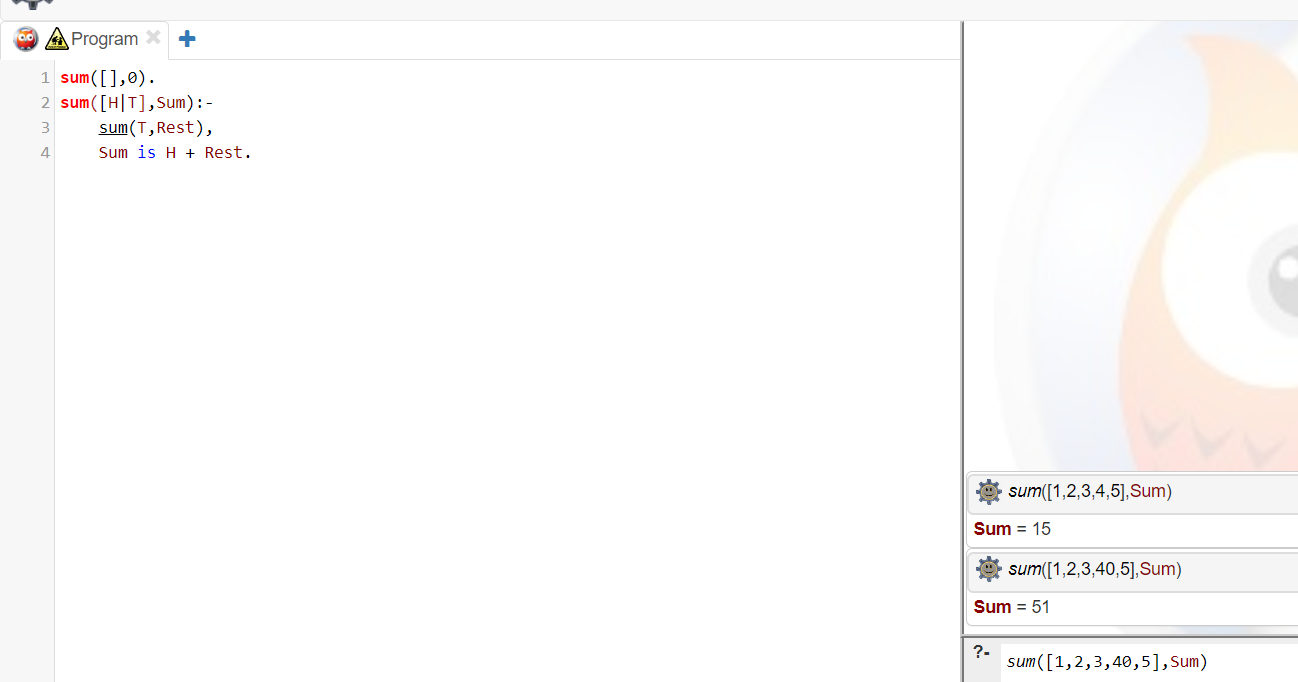
7.Program to find the factorial of a number



8.Program to find the nth Fibonacci number



9.Program to find the sum of a list of numbers



10.Program to find the smallest element in a list.

