NAME: Ben Puryear

FILE: hw7-writeup.pdf

DATE: Spring 2023

DESC: This pdf will provide a short description of any challenges and/or issues I faced and how I addressed them in this assignment.

**Challenges faced:**

I faced many challenges in this assignment, the majority of which came from shadowing and how to handle variables. I was having difficulties figuring out what addresses to store variables in, especially when pushing and popping a new environment. The solution I came to was to store the current var\_index before starting a new environment, then after popping the environment I set the new var\_index to the old one.

The main portion of my time debugging was figuring out issues in the example files. I flew through the g-test tests fairly quickly but was then humbled by the example files. The most complicated one for me was exec-arrays.mypl and exec-sum-to-prime.mypl.

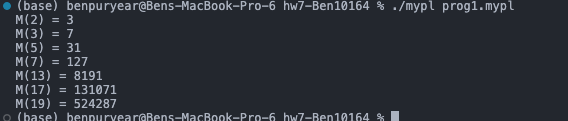
**Testing:**

All Tests Passing

Text

Description automatically generated

Custom Programs



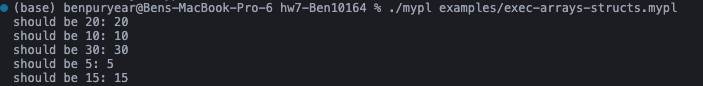
Text

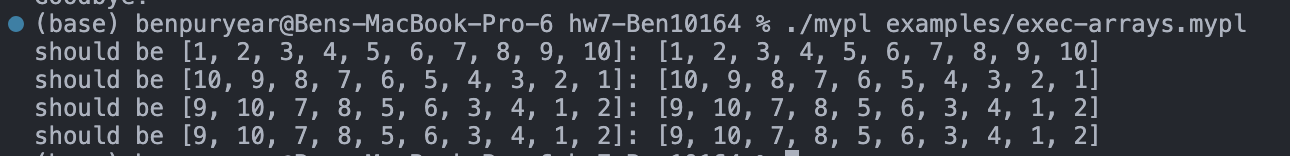
Description automatically generated

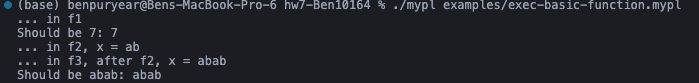
Text

Description automatically generated

Example files output







Graphical user interface, text, application

Description automatically generated

Text

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Text

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Text

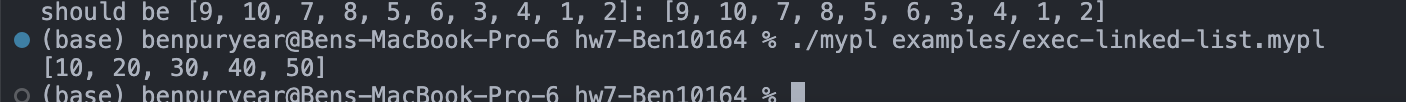
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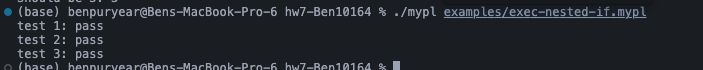
Text

Description automatically generated









Graphical user interface, text

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Graphical user interface, text

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Text

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