

# The George Washington University

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## **Advanced Software Paradigms (CSCI 6221.10)**

Homework Assignment #6

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### **Submitted By:**

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### **Submitted to:**

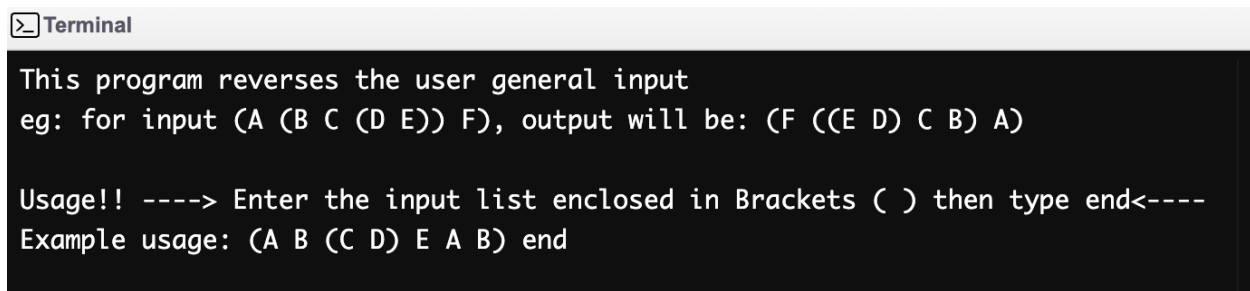
Professor Yih-Feng Hwang

## Steps for execution:

1. The provided program is written in **Scheme**. To run it, use any online Scheme compiler, for example, [https://www.tutorialspoint.com/execute\\_scheme\\_online.php](https://www.tutorialspoint.com/execute_scheme_online.php)
2. Copy the code from the attached source code .txt file and paste it into the code area in the online compiler.
3. Click the “Execute” button in the top left part of the compiler website.
4. Review the output/result displayed by the compiler, as illustrated in Figure 1.

## Screenshots:

1. The Main Menu of the program.

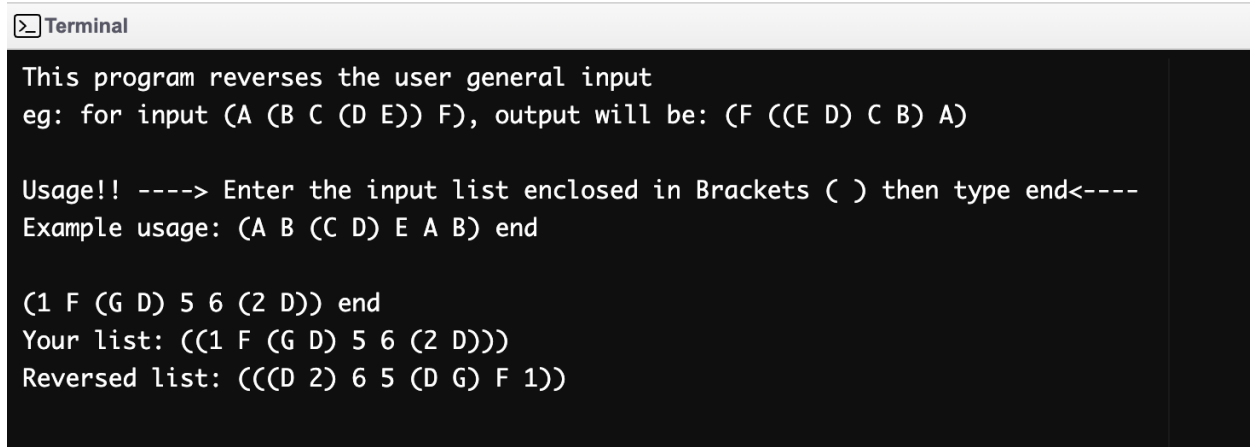


```
Terminal
This program reverses the user general input
eg: for input (A (B C (D E)) F), output will be: (F ((E D) C B) A)

Usage!! ----> Enter the input list enclosed in Brackets ( ) then type end<----
Example usage: (A B (C D) E A B) end
```

Figure 1: Main Menu

2. Result of the program



```
Terminal
This program reverses the user general input
eg: for input (A (B C (D E)) F), output will be: (F ((E D) C B) A)

Usage!! ----> Enter the input list enclosed in Brackets ( ) then type end<----
Example usage: (A B (C D) E A B) end

(1 F (G D) 5 6 (2 D)) end
Your list: ((1 F (G D) 5 6 (2 D)))
Reversed list: (((D 2) 6 5 (D G) F 1))
```

Figure 2: Result of the program