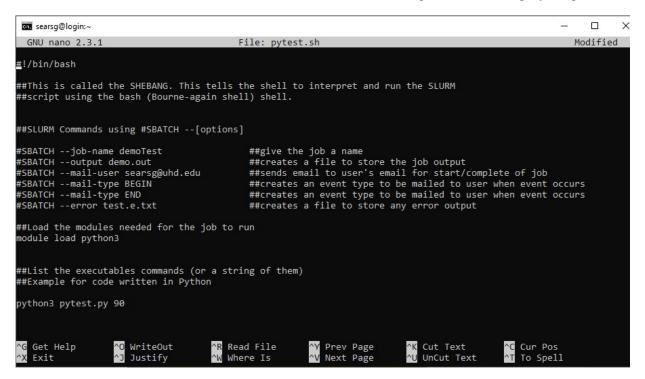
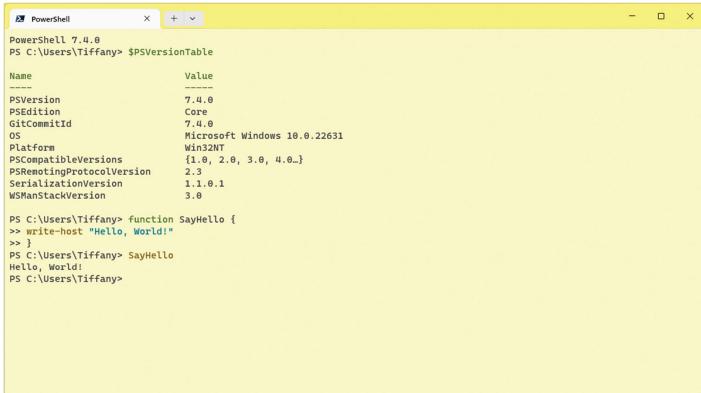
## CIS511 Semi-Major Output

By group

Updated as of: Sept. 17, 2025

General Instructions: An OS emulator needs a command interpreter and a display output.





Created By: Gregory Cu

## **Shell Reference**

Please refer to a general Linux/Windows powershell/Windows command line. This serves as a strong reference for the design of your command-line interface.

# **Checklist of Requirements**

Your system must have ALL the following features implemented properly.

Requirement	An "OS emulator" that accepts a command input with display output		
Description			
	Welcome to CSOPESY!		
	Group developer: De La Cruz, Juan Santos, Alex		
	Version date:		
	Command>		
	Group developer: De La Cruz, Juan		
	Santos, Alex  Version date:		
	A main menu console that have the following features:		
		Text marquee or ASCII graphics marquee	
	2. Accept commands to change the behavior of the text marquee		
Requirement	Command interpreter for the OS emulator that accepts the following commands		
Description	From the main menu, the user can use the following commands:		
	"help" – displays the commands and its description		
	<ul> <li>"start_marquee" – starts the marquee "animation"</li> <li>"stop_marquee" – stops the marquee "animation"</li> </ul>		
	"set_text" – accepts a text input and displays it as a marquee		
	"set_speed" – sets the marquee animation refresh in milliseconds		
	• "exit" – terminates the console		
Requirement	The OS emulator must have the following components		
Description	The OS emulator components are:		
-	Command interpreter – accepts command and control the marquee logic		
	Display handler – handles the display for the command interpreter and marquee logic      Work and bondler, bondler leads and buffering and policy.		
	<ul> <li>Keyboard handler – handles keyboard buffering and polling</li> <li>Marquee logic – handles the animation logic for the marquee text</li> </ul>		
	- marquee logic - nandies the animation logic for the marquee text		

#### ASSESSMENT METHOD

Your CLI emulator will be assessed through a black box quiz system in a time-pressure format. This is to minimize drastic changes or "hacking" your CLI to ensure the test cases are met. You should only modify the parameters and no longer recompile the CLI when taking the quiz.

Test cases, parameters, and instructions are provided per question, wherein you must submit a video file (.MP4), demonstrating your CLI. Some questions will require submitting PowerPoint presentations, such as cases explaining the details of your implementation.

### **IMPORTANT DATES**

See AnimoSpace for specific dates.

Week 4	Test case demo submission

#### **Submission Details**

Aside from video files for the quiz, you need to prepare some of the requirements in advance, such as:

- SOURCE Contains your source code. Add a README.txt with your name and instructions on running your program. Also, indicate the entry class file where the main function is located. An alternative can be a GitHub link.
- o PPT A technical report of your system containing:
  - Command recognition
  - o Console UI implementation
  - o Command interpreter implementation

# **Grading Scheme**

• You are to provide evidence for each test case, recorded through video. Each test case will have some points allocated. The test cases will be graded as follows:

Functional				
No points	Partial points	Full points		
The CLI did not	The CLI did not pass the test case. <b>A</b>	The CLI passed the test case using varying		
pass the test case.	workaround is available to produce the	inputs and produced the expected output.		
NO WORKAROUND	expected output.			
is available to				
produce the				
expected output.				