COS 250 Computer Organization

2024 Spring

Assignment 5

Hello World! Assembly Program Assignment

In this assignment, you are tasked with crafting an assembly language program with specific functionalities. Your program should begin by displaying a prompt: 'Please type in your name,' and then wait for the user's input. Upon entering their name, the program should first output 'Nice to meet you!' followed by 'YOURNAME!', displaying the user's input name to the console.

Submission Requirements:

Your submission must encompass the following components:

1. Source Code File (.asm): The assembly language source code file.
2. Execution Screenshot: A screenshot capturing the execution of your program, similar to the provided example.

```
C:\Users\xz201\OneDrive - University of Maine System\1 TEACHING\cos 250 computer organizations\assignments>Assign5.exe
Please type in your name:
Xin Zhang
Nice to meet you!
Xin Zhang
```

Grading Criteria:

Code (80%): The code's quality will be the primary focus, accounting for 80% of the total grade. To achieve full marks in this segment, your code must adhere to the following guidelines:

1. Commenting: Incorporate at least 5 meaningful comments throughout your code to elucidate its functionality and logic.
2. Organization: Ensure your code is well-structured and logically organized for readability and maintenance.
3. Efficiency: Avoid unnecessary handles and strive for efficient memory usage, eliminating any redundancy.

Screenshot (20%): The clarity and content of your screenshot will constitute 20% of the total grade. For full points, your screenshot must be:

1. Clear: Ensure the screenshot is of high quality, clearly showcasing the program's output.
2. Informative: Include your name within the screenshot as part of the program's execution.

Good luck with your assignment! This is an excellent opportunity to demonstrate your assembly language programming skills and attention to detail.