CSE-443/543: High Performance Computing
Exercise #1
Max Points: 20

> **You should save/rename this document using the naming convention MUid.docx (example: `raodm.docx`).**
>
> **Objective**: The objective of this exercise is to get setup with your OSC account
>   1. Review the setup videos on Canvas OSC OnDemand & VS-Code demonstrations
>   2. Setup your OSC account and VS-Code for this course.
>
> Fill in answers to all of the questions. For some of the questions you can simply copy-paste appropriate text from the Terminal/NetBeans window into this document. You may discuss the questions with your neighbor or your instructor.

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Part #1: Setup your OSC Account
Estimated time: 15 minutes

Background: This course will primarily use the resources provided by the Ohio Supercomputer Center (OSC). The account is sponsored by your instructor and is free of cost to you.

Exercise: Follow the instructions in the account setup video:

1. First quickly review the video to have an understanding of the steps.
2. You must have received an email from OSC regarding your account. Follow instruction in the email to setup your account. The setup process is illustrated in a video on Canvas.

> ℹ️ Ensure you remember your passwords. Your OSC and Miami accounts are disconnected; but using the same password will help you remember it whenever you need to login.

Part #2: Configure VS-Code
Estimated time: 20 minutes

Background: This course will primarily use VS-Code as the primary Integrated Development Environment (IDE).
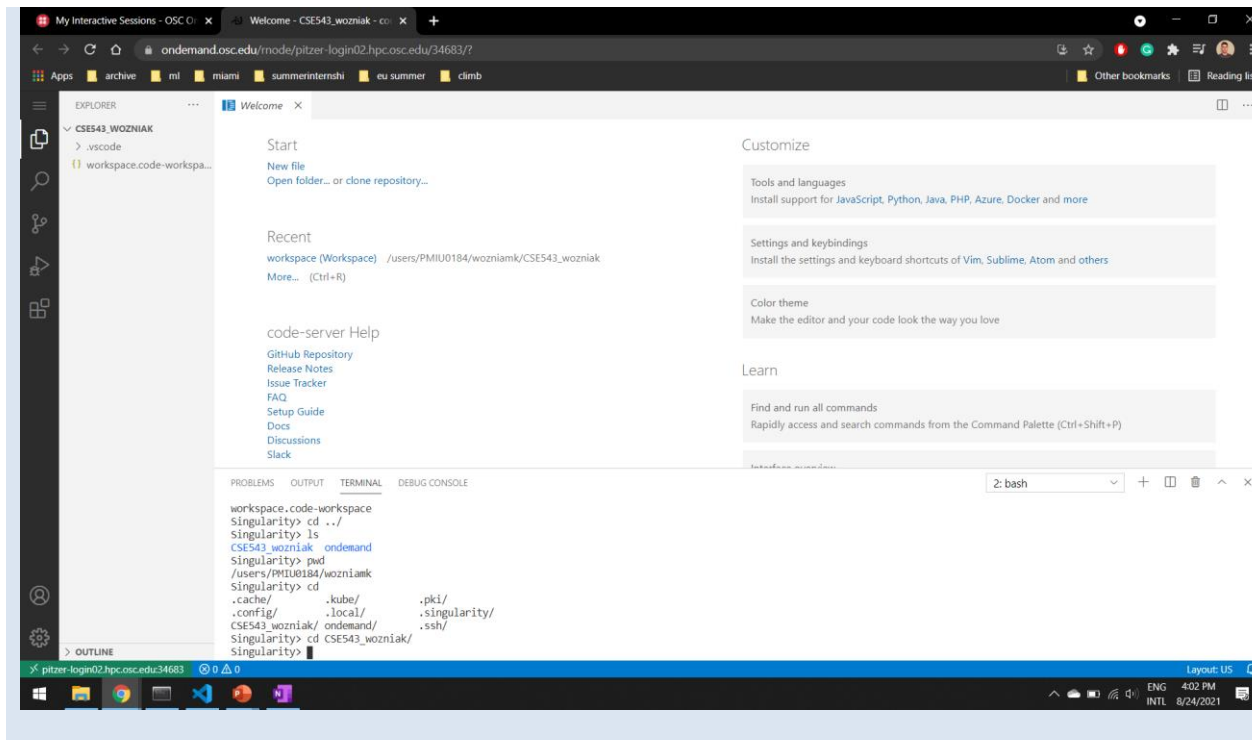
Exercise: Setup VS-Code on OSC via the following steps:

1. First quickly review the video to have an understanding of the steps involved in configuring VS-Code.
2. Login to OSC's OnDemand services using the newly created account and password.
3. Create a top-level directory for the course. Suggested name is `cse443`.
4. Start a Code Server job as shown in the video.
5. Install plugins from `/fs/ess/PMIU0184/setup`
6. Save workspace (use defaults)
7. Open a terminal and run setup script from `/fs/ess/PMIU0184/setup/setup.sh`
8. Restart VS Code

> ⚠ In case you have issues completing the setup, ensure you seek help. You will be using this environment a lot. So, it is best to getting it configured and setup correctly for all of your future use.

Once you have successfully setup VS-Code, make a screenshot of your browser and place it in the space below:

Part #3: Submit to Canvas
Estimated time: 5 minutes

1. Save this document as a PDF file
2. Upload the PDF file to Canvas