



# CYBER CHALLENGES



## Setup

### Directions:

Here is everything you need to get ready for The Cyber Challenges this quarter. EVERY member of your team must do this so that all laptops are ready to go for the challenge days.

### **Java Setup:**

- If your version of Java is less than JDK 14, go to <https://www.oracle.com/java/technologies/javase-downloads.html> to download the latest JDK. Version 14, 15, 16 or newer should be fine.
- Add the new JDK path to your "path" environment variable.
  - You may need to get help from your professor for this part if you are new to modifying environment variables.
- Open up a Linux-like terminal such as Git Bash, Linux subshell for Windows, Linux shell, or Mac shell.
  - Note how I didn't say "powershell" or "Windows command prompt". Don't use these.
  - **You will use this terminal for both compiling and running the Java challenges.** You can use whichever IDE or text editor you want to change your code, but you MUST use the terminal for compiling, running and checking your answers. You may open multiple terminals if need be.
- If you have a Mac or Linux computer, you are fine. If you have Windows, one option is to download Git Bash at <https://git-scm.com/downloads>
- Open up a shell window (e.g. right click and select "Git Bash Here" if using Git Bash). Remember to open up this shell in the same directory as the setup files.
- Type "**javac Setup.java**" and make sure there are no compilation errors.
  - If you get the error "Setup.java:19: error: illegal start of expression", this means your version of Java is too old. Update to version 14 or newer.
  - You should also not get an error or warning about any "preview" features being used.
- If a `Setup.class` file is created, type "**java Setup**" to run it. Make sure the output shows colorful text and not any seemingly random characters. The output should look something like this:

**Java Setup Finished**

- If you see the colorful text, you are good to go for the Java challenge set(s).

### **Team Setup:**

- Setup a Discord channel for you and your team. You will need to share files and communicate during the challenge and Discord will serve both of these purposes.
- This Discord should not be shared with any other team, but do make sure all members of your team join the Discord before the day of the challenge.