



# CYBER CHALLENGES



## Welcome

### Directions:

This is the "Cyber Challenges", a collection of 3 challenge sets each with several challenges to test your knowledge of Java, (run)time complexity and data structures. You will receive these challenges throughout the quarter. It's time to see how much you have learned!

Your first challenge set will test your knowledge of Java and will be given very soon. When a challenge set is downloaded, read its README file to find out about that set. It is strongly advised to use your team wisely and spread out to conquer the challenges simultaneously, as they are unlocked (if applicable).

You should have already completed setting everything up, but here are a few reminders about these challenges:

- Any and all code should be compiled and/or executed on either the Git Bash command line or Linux(like) shell (such as Linux's or Mac's terminal or Windows Linux subsystem shell), unless otherwise stated. If you ignore this and use an IDE to run your code, the challenges will NOT work correctly and you will be wasting your team's time.
- You may look up anything online, however I recommend checking your lecture notes first.
- Follow all directions completely. This means reading (and sometimes re-reading) everything. Failure to follow directions will result in a failed challenge. These challenges are automatically checked by software on a server, so any deviation from the directions will fail the check.
- Make sure you have a working internet connection as it is required for all challenges.
- Make sure you have Java 14 (or higher).
- You should have a Discord setup for your team to communicate and share files and code. This obviously should not be shared with any other team.

To start the challenges, first you need to register your team. In the terminal (opened in the directory that this document is in), type the following:

```
java RegisterTeam TEAMNAME
```

With "TEAMNAME" replaced with your team's name. This will create a file called "team.data". Share this file on your Discord with your entire team. Every person MUST have this file on their computer in the same directory as this pdf if they are going to use that computer to complete a challenge.

To check your score along with every other team's score, go to: <https://www.cyberchallenges.tech>