Computer Science I – Prepa Tec Campus Eugenio Garza Lagüera  
Final Lab

## Section 1

1. Open CodingBat and create a new account using your student tec account (A0XXXXXX@tec.mx)

<https://codingbat.com/java>

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, text, application, Word, email

Description automatically generated

1. Click the preferences section

Graphical user interface, Word

Description automatically generated with medium confidence

1. In **Teacher Share**, add your teacher’s email ([omardil@tec.mx](mailto:omardil@tec.mx)) and click on **Share**.

Graphical user interface, text, application, letter

Description automatically generated

## Section 2

Resuelve los problemas necesarios para obtener la calificación deseada.

|  |  |
| --- | --- |
| **Coding bat Section** | **Points** |
| Java WarmUp-2 | 2 |
| Java String-1 | 3 |
| Java String-2 | 5 |
| Java String-3 | 10 |
| Java Logic-1 | 2 |
| Java Logic-2 | 5 |
| Java Array-1 | 3 |
| Java Array-2 | 5 |
| Java Array-3 | 10 |

For example, the following combination would award you a final grade of 100

* 5 WarmUp-2 problems = 10
* 2 String-2 problems = 10
* 3 String-3 problems = 30
* 2 Logic-2 problems = 10
* 2 Array-2 problems = 10
* 3 Array-3 problems = 30

**References**

CodingBat has a help section on its website. If you are struggling with any particular problem or topic, you can find them using the following URL: <http://codingbat.com/doc/code-help-videos.html>

## Section 3

Design a command line interface program that allows you to manually test 4 of the problems you have solved. The command line interface should allow you to perform the following actions:

1. Display list of problems to solve and allow the user to select one.
2. Validate that the selected problem is valid. Without selecting a valid option, the program will not allow you to advance.
3. Capture the necessary inputs to run the selected program.
4. Display the program results.
5. Ask the user if they want to execute another problem. If yes, then program should repeat from Step 1.