Project 2B

Due Feb 20 by 11:59pm   **Points** 60   **Available** Feb 1 at 12am - Feb 25 at 11:59pm 25 days

For part B of this assignment, students will complete the **first 6 methods** on page 3 of this document.

- toHexString
- countRuns
- encodeRle
- getDecodedLength
- decodeRle
- stringToData

They must match specifications and pass test cases on chapter 15.2 in Zybooks, which will be your means of submissions for this part of the assignment. Your grade will be the score received on Zybooks. To guarantee functionality moving forward to part C, it is expected that you receive full marks for this section.

Note: In part B, you don't need to implement the functionality of the main method. We will use **unit testing** to test each of these 6 functions. Please write your own unit tests before your submission. **You have limited submissions (10 submissions) on Chapter 15.2.** You are strongly encouraged to write your own test cases. The test cases (similar to the zybooks unit tests) that you might have problem are listed in google doc: **https://uflorida-my.sharepoint.com/:w:/g/personal/lzhou1_ufl_edu/EXDjbAod9G9KtgeJkrHPY5oBwt9uYGvFriRP_zQ_7KLDNQ?e=Ak4uvf (https://uflorida-my.sharepoint.com/:w:/g/personal/lzhou1_ufl_edu/EXDjbAod9G9KtgeJkrHPY5oBwt9uYGvFriRP_zQ_7KLDNQ?e=Ak4uvf)**

If you have no idea of how to get started with project 2B and need some guidance/tutorials, you could watch the videos in the playlist to see how you could solve similar problems. In the meanwhile, we won't provide test cases for Project 2B, you are strongly encouraged to write your own test cases. You will find the first video - Unit Testing in the playlist helpful on testing your program using unit test.

https://www.youtube.com/playlist?list=PL7HysbBNBFZLmpFpIYpaWxvyviW6qoJpg (https://www.youtube.com/playlist?list=PL7HysbBNBFZLmpFpIYpaWxvyviW6qoJpg)

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Criteria	**Ratings**		**Pts**
Zybooks Grade	**60 to >59.0 pts** **Full Marks**	**59 to >0.0 pts** **Partial Credits based on zybooks grade**	**0 pts** **No credits if you fail all the test cases**	60 pts
			Total Points: 60