

Day84 - April 29th 2024

1. Started my day as usual
2. Solved **84. Largest Rectangle in Histogram** problem on leetcode to get good at problem solving

Please find my intuition and solution here :

<https://docs.google.com/document/d/1FgjTBUXkGKmfWxwpDMxA4BOh5knH2e-H5T2C9d78g7Q/edit?usp=sharing>

3. Ended my by solving a SQL Stored Procedure Problem on Hackerrank

The screenshot shows the HackerRank interface for the 'Draw The Triangle 1' challenge. The problem description states: 'P(R) represents a pattern drawn by Julia in R rows. The following pattern represents P(5):'. The pattern is a right-angled triangle of asterisks. The user's solution is a SQL stored procedure that prints the pattern for a given input. The solution is as follows:

```
2  */
3  Enter your query here.
4  Please append a semicolon ";" at the end of the query and enter your query in a single line to avoid error.
5  */
6  DECLARE @N INT = 20
7  WHILE (@N > 0)
8  BEGIN
9      PRINT REPLICATE('*', @N)
10     SET @N = @N - 1
11 END
```

The page also shows a 'Congratulations!' message and a 'Sample Test case 0' output. The output is a right-angled triangle of asterisks for the input 5.