ITP JS HW

Week 2

1. Write a program that takes as input a number N, and outputs the following pattern (where N = 5):

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Similarly, if N = 3, it would print:

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So, N refers to line numbers for the pattern.

2. Write a function to implement Binary Search in JavaScript. It would take two arguments **array** and **element**, if the element is found in array, it would return the index otherwise -1.

3. Write a function to find out student's obtained grades based on marks. Your program would have two variables **student names** and **marks**, where array positions in marks correspond to the mark received by the student. For example,

student_names = ['alice', 'bob']

marks = [85, 75]

The output of your program in this case would be:

Alice got A+

Bob got A

4. Read the following article on JavaScript Objects:
https://www.w3schools.com/js/js_objects.asp

5. Read the following articles on HTML/CSS (in order):

- https://www.w3schools.com/html/html_id.asp
- https://css-tricks.com/the-difference-between-id-and-class/
- https://www.w3schools.com/css/css_selectors.asp
- https://developer.mozilla.org/en-US/docs/Learn/CSS/Building_blocks/Selectors

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