Live Coding with Industry Guests

Questions

Please rotate through each member of your group and share your screen to live code your answer.

Live Coding Tips

- Ask questions to clarify the questions
- Pseudocode the solution
- Verbally walk through your thoughts
- Code as much as you can
- Ask questions for feedbacks

Questions

1. Define a function that takes an array of strings, and returns the most commonly occurring string in that array.

2. Assuming the following HTML, add functionality for an action to occur when a user clicks on of the list items:
```
<ul id="todo-app">
  <li class="item">Walk the dog</li>
  <li class="item">Pay bills</li>
  <li class="item">Make dinner</li>
  <li class="item">Code for one hour</li>
</ul>
```

3. Write a function that will loop through a list of integers and print the index of each element after a 3 second delay.

4. Write a function that calculates the score of a word in the game of Scrabble, following this point system:

Points	Letters
1	E, A, I, O, N, R, T, L, S, U
2	D, G
3	B, C, M, P
4	F, H, V, W, Y
5	K
8	J, X
10	Q, Z

When `countScore('quagmire');` is called, the output should be `20`.

5. Picture a power dial, the dial gets turned up or down based on the numbers in the following collections. What will the final number on the power dial show?
Given,
```
const setOne = [13, 9, 8, 1, -15, 10, 16, -17, 8, 8, 17, -6, 17, 18];
const setTwo = ["13", "9", "8", "1", "-15", "10", "16", "-17", "8", "8", "17", "-6", "17", "18"];
```

6. Given this data set here, find the number of ice creams that contain cocoa powder.
Bonus: Find the number of ice creams that do not contain corn syrup. Hint: The number is the same for both! 😲

7. Write a function that determines if an array of coordinates will create a straight line.
Given,
- `[[1,1],[2,2],[3,4],[4,5],[5,6],[7,7]]` the function should return false
- `[[1,2],[2,3],[3,4],[4,5],[5,6],[6,7]]` the function should return true