Live Coding with Industry Guests

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
- Ask questions for feedbacks

Questions

1. Define a function that takes a string, and returns whether it is a palindrome.

   Example:
   ```
   palindrome("racecar")
   ```

   Returns:
   ```
   // true
   ```

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

3. Fizz Buzz! Define a function that takes an integer (*n*), and:
   - Console logs the number from 1 to *n*
   - Logs *fizz* instead of the number if the number is a multiple of 3
   - Logs *buzz* instead of the number if the number is a multiple of 5
   - Logs *fizzbuzz* instead of the number if the number is a multiple of 3 and 5

   Example:
   ```
   fizzbuzz(5)
   ```

   Returns:
   ```
   // 1
   // 2
   // fizz
   // 4
   // buzz
   ```

4. 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>
```

5. Define a function that takes a string and returns the number of vowels.

   Example:
```
vowels("Hello World!")
```

   Returns:
```
// 3
```

6. Given a string, reverse every word in the sentence.

7. 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`.