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WEB DESIGN WEEK 10

### 1. **FizzBuzz** Challenge

```
#include <iostream>
```

```
using namespace std;
```

```
int main() {  
    for (int i = 1; i <= 100; i++) {  
        if (i % 3 == 0 && i % 5 == 0)  
            cout << "FizzBuzz" << endl;  
        else if (i % 3 == 0)  
            cout << "Fizz" << endl;  
        else if (i % 5 == 0)  
            cout << "Buzz" << endl;  
        else  
            cout << i << endl;  
    }  
    return 0;  
}
```

### 2.DYNAMIC STYLING

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
<meta charset="UTF-8">
```

```
<meta name="viewport" content="width=device-width, initial-scale=1.0">
```

```
<title>Light/Dark Mode Toggle</title>
```

```
<link rel="stylesheet" href="style.css">
```

```
</head>
```

```
<body class="light-mode">

  <h1>Dynamic Light/Dark Mode</h1>

  <button id="toggleBtn">Switch Theme</button>


  <script src="script.js"></script>

</body>

</html>
```

### 3.ARRAY ANYLIZER

```
def find_largest_number(numbers):

    # Check if array is empty

    if not numbers:

        return None


    largest = numbers[0] # Assume the first number is the largest


    for num in numbers:

        if num > largest:

            largest = num # Update if a bigger number is found


    return largest


# Example usage
nums = [12, 45, 7, 89, 34, 22]
print("The largest number is:", find_largest_number(nums))
```