**Remove duplicates from an array anonymous function & IIFE**

**CODE:**

<!DOCTYPE html>

<html lang="en">

  <head>

    <meta charset="UTF-8" />

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

    <title>Document</title>

  </head>

  <body>

    <h1>Remove duplicates from an array anonymous function & IIFE</h1>

    <script>

      // Define the array with duplicates

      const arrayWithDuplicates = [1, 2, 2, 3, 4, 4, 5, 5, 6];

      // IIFE to remove duplicates from the array

      const uniqueArray = (function (arr) {

        // Anonymous function to remove duplicates

        const removeDuplicates = (array) => {

          return array.filter((item, index) => array.indexOf(item) === index);

        };

        // Call the anonymous function and return the result

        return removeDuplicates(arr);

      })(arrayWithDuplicates);

      // Output the result

      console.log(uniqueArray); // Output: [1, 2, 3, 4, 5, 6]

    </script>

  </body>

</html>

