**Week 12: Introduction to Tailwind CSS**

1. **What is Tailwind CSS?**
   * A utility-first CSS framework for rapid UI development.
2. **How do you install Tailwind CSS?**
   * Using npm or by including a CDN link.
3. **What does the @apply directive do in Tailwind CSS?**
   * Allows you to apply a set of utility classes to a custom CSS class.
4. **How do you create responsive designs with Tailwind?**
   * By using responsive utility classes (e.g., md:bg-blue-500).
5. **What is the purpose of the hover: variant in Tailwind?**
   * To apply styles when an element is hovered over.
6. **How do you customize the Tailwind CSS configuration?**
   * By editing the tailwind.config.js file.
7. **What is a component in Tailwind CSS?**
   * A reusable piece of UI built with utility classes.
8. **How can you add animations in Tailwind CSS?**
   * By using the transition utilities.
9. **What is the function of the flex class in Tailwind?**
   * To enable Flexbox layout on an element.
10. **How do you handle dark mode in Tailwind CSS?**
    * By using the dark: variant for applying styles in dark mode.