Experiment 11	
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Aim: To use google Lighthouse PWA Analysis Tool to test the PWA functioning.

Theory:

Google Lighthouse is an open-source tool by Google used to audit web applications. When testing a Progressive Web App (PWA), Lighthouse checks if our app meets PWA standards like offline support, responsive design, secure HTTPS, service worker registration, and installability.

Output:

- SEO shows how well our site is optimized for search engines and discoverability.
- Best Practices shows how well the site follows modern web development standards and security.
- Accessibility shows how usable the site is for people with disabilities, including screen reader and keyboard support.

Conclusion:

In this experiment, the Google Lighthouse PWA Analysis Tool was used to evaluate the functioning of a Progressive Web App. The tool provided comprehensive insights into SEO, accessibility, and best practices. It helped identify areas for improvement and ensured the application adheres to modern web standards, resulting in a more optimized, user-friendly, and reliable web experience.