EXPERIMENT NO: 09

MAD and PWA Lab

1. Aim:

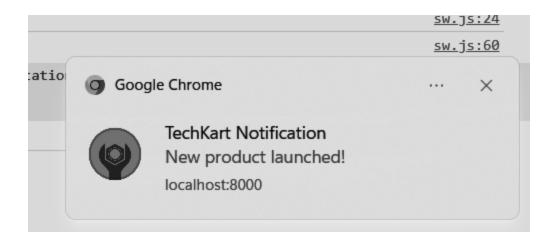
To implement Service worker events like fetch, sync, and push for E-commerce PWA.

2. Description:

This experiment focuses on implementing key Service Worker events that enhance PWA functionality: fetch, sync, and push. These events enable PWAs to manage network requests, handle background data synchronization, and deliver push notifications.

- Key Service Worker Events:
 - Fetch Event: Allows the Service Worker to intercept and handle network requests. This is crucial for implementing caching strategies (e.g., "cache first," "network first") and providing offline functionality.
 - Sync Event: Enables background data synchronization when the network connection is available. This allows PWAs to defer actions until a stable connection is present.
 - Push Event: Handles push notifications received from a server, allowing PWAs to deliver timely updates and engage users.





3. Conclusion:

This experiment demonstrates the implementation of fetch, sync, and push events in a Service Worker. These events are essential for creating robust, offline-capable, and engaging PWAs.

4. GitHub Link:

https://github.com/atharvnikam38/techkart-pwa