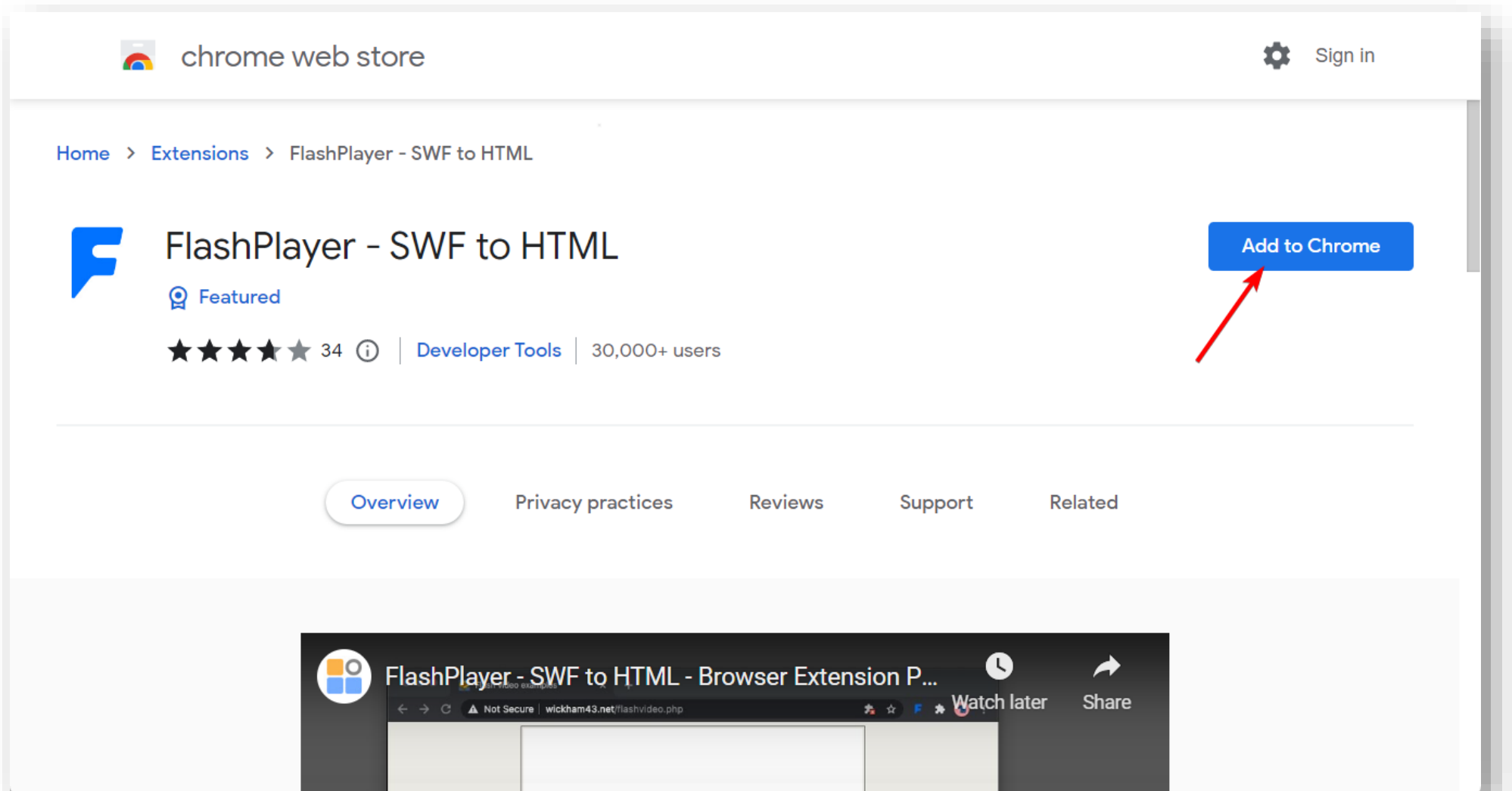


# How to setup local simulator

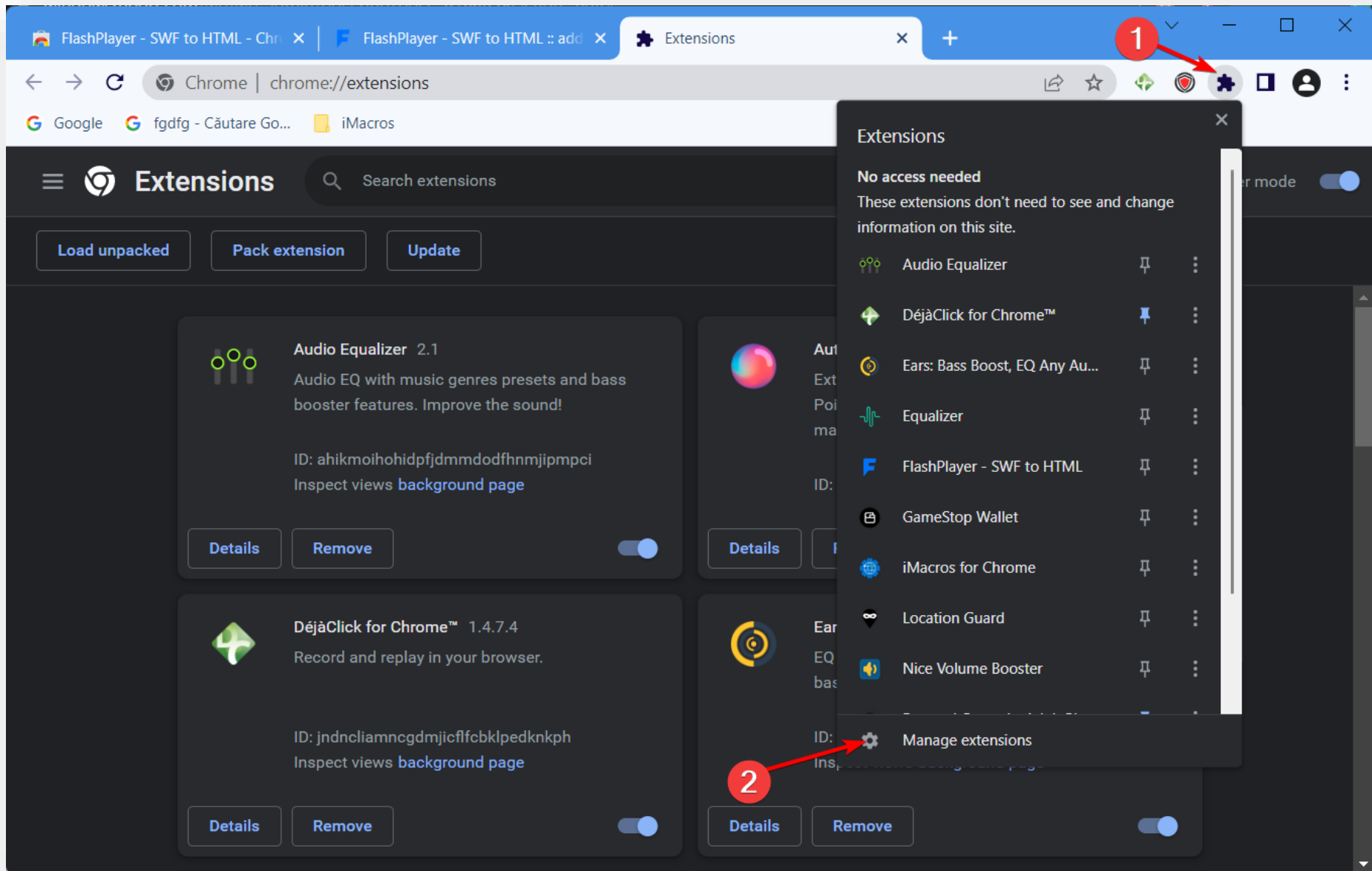
## How do I play SWF files in Chrome?

1. Go to [the Flash player extension](#) to your Google Chrome by clicking the **Add to Chrome** button.

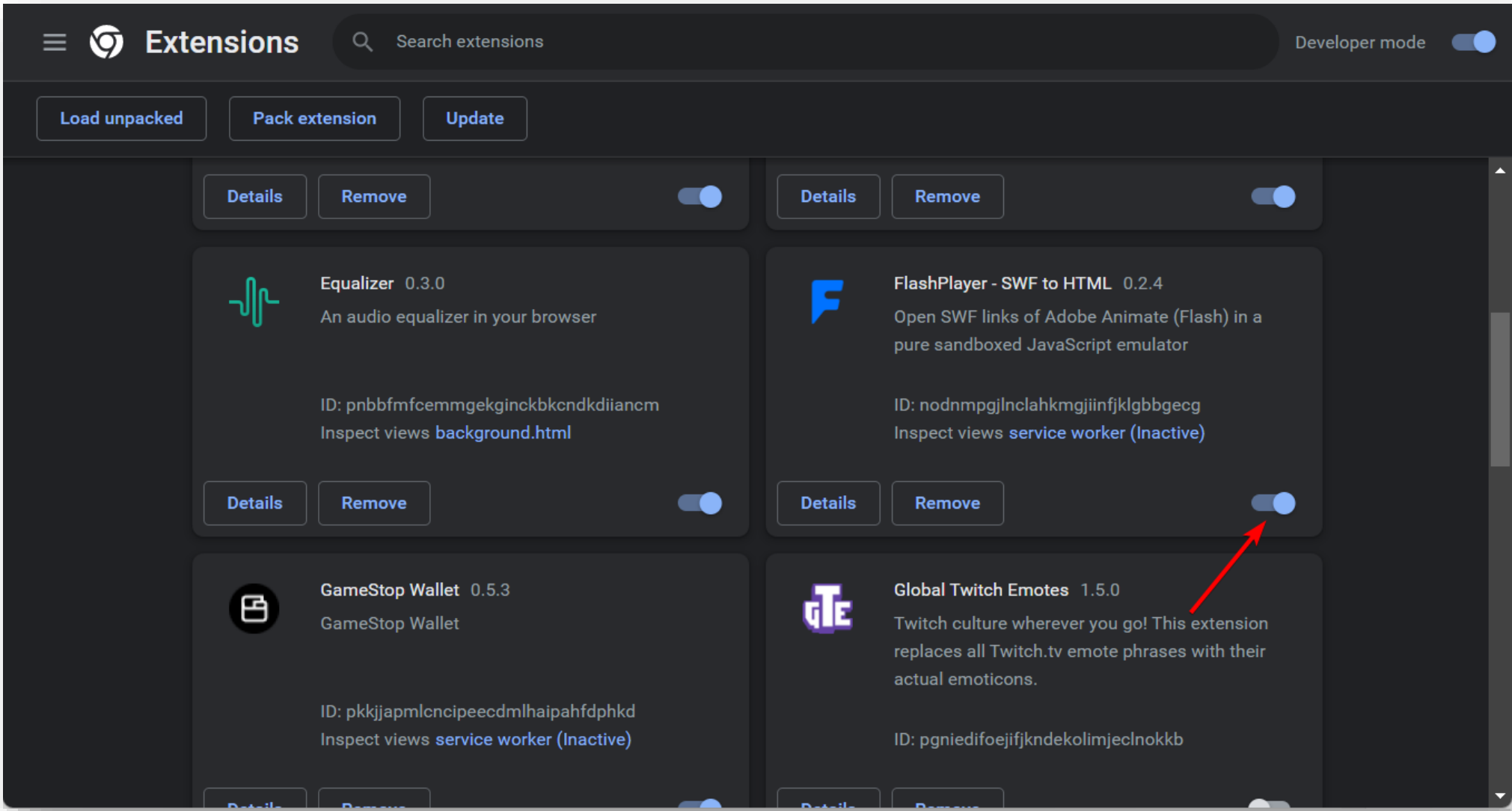


The screenshot shows the Chrome Web Store page for the 'FlashPlayer - SWF to HTML' extension. The page header includes the 'chrome web store' logo and a 'Sign in' button. The breadcrumb trail is 'Home > Extensions > FlashPlayer - SWF to HTML'. The extension's name is 'FlashPlayer - SWF to HTML', and it is marked as 'Featured'. It has a rating of 4.5 stars (34 reviews) and is categorized as a 'Developer Tool' with over 30,000 users. A prominent blue 'Add to Chrome' button is visible on the right side, with a red arrow pointing to it. Below the extension details, there are tabs for 'Overview', 'Privacy practices', 'Reviews', 'Support', and 'Related'. At the bottom, a video player interface is shown, displaying the title 'FlashPlayer - SWF to HTML - Browser Extension P...' and a 'Watch later' button.

2. Click the *Extensions Manager* icon in the upper right corner followed by **Manage extensions**.



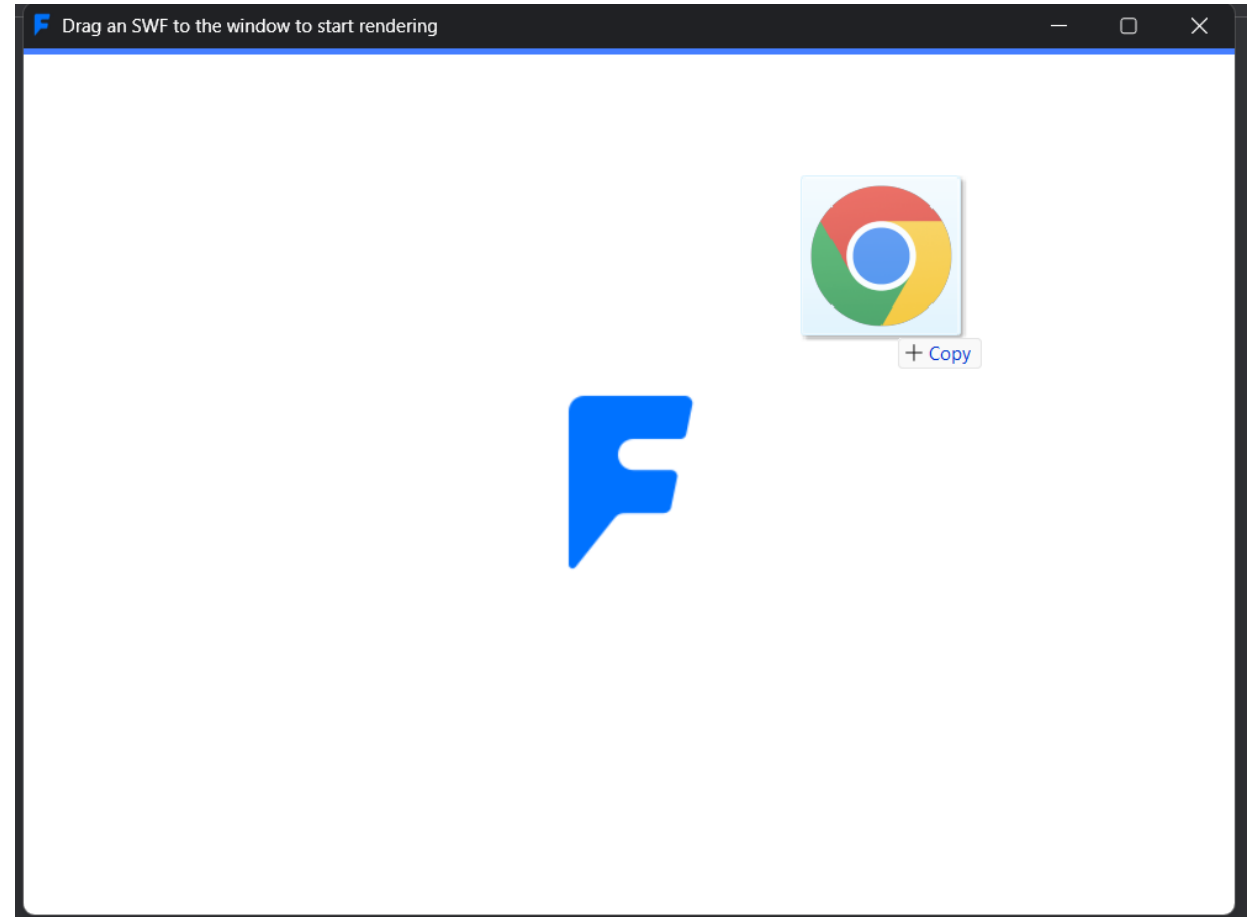
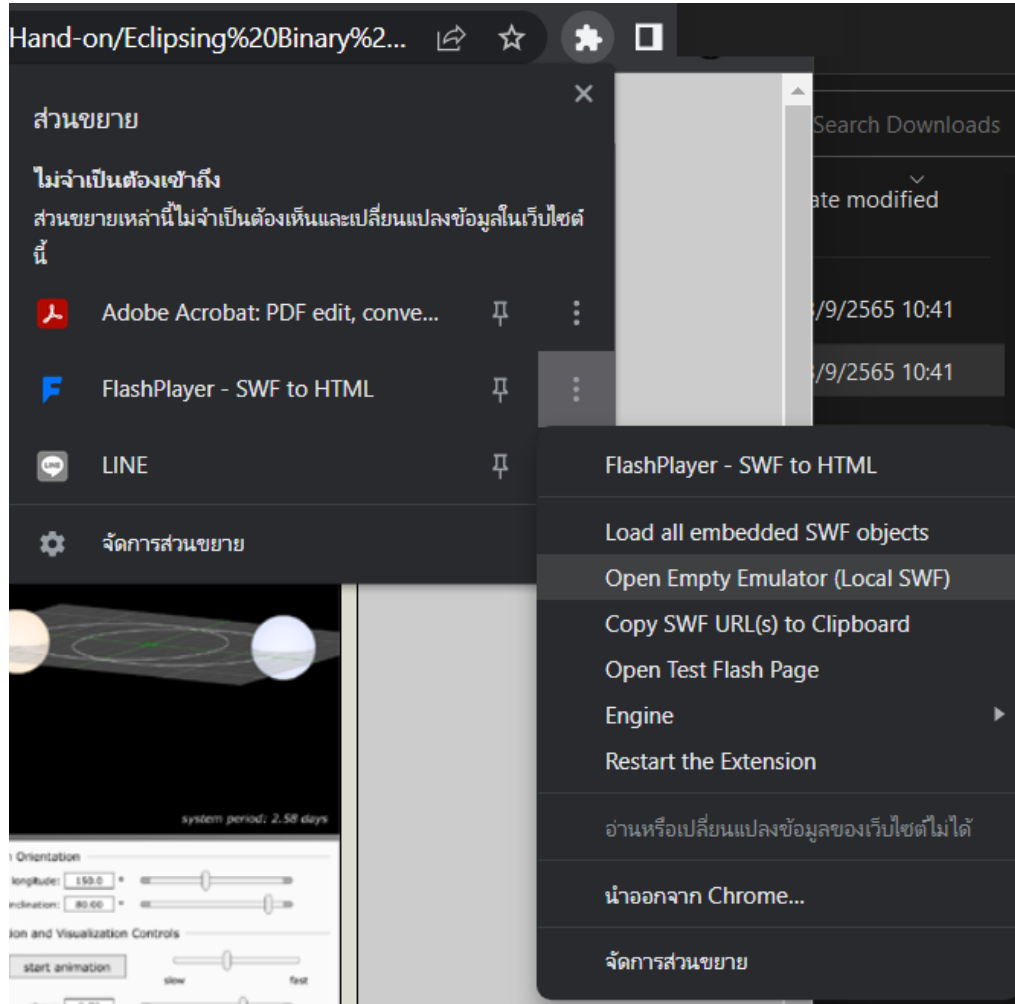
3.Toggle the icon beside the Flash player extension to enable it



Choose any SWF file, right-click on it, and open it with Chrome. This is how to play SWF files in 2022.

# To run the swf (simulator) file

- Open Empty Emulator (Local SWF)
- Drag the simulator file (xxx.swf) to the Emulator window



The simulator was successfully opened, and ready to be used.

The screenshot displays the 'Eclipsing Binary Simulator' interface within a 'Local SWF - FlashPlayer (ruffle engine)' window. The main view is a 'perspective from earth' showing two stars in orbit. The system period is noted as 2.58 days. The interface includes several control panels:

- System Orientation:** longitude: 150.0°, inclination: 80.00°.
- Animation and Visualization Controls:** 'start animation' button, speed slider (slow to fast), phase: 0.70, and checkboxes for 'lock on perspective from earth', 'show orbital paths', and 'show orbital plane'. A 'show HR diagram' button is also present.
- Light Curve Graph:** A plot of 'Normalized Visual Flux' vs 'Phase'. The flux is 1.0 until phase 0.0, where it drops to approximately 0.6 during the primary eclipse, then recovers to 1.0. A red vertical line is at phase 0.7. A 'show lightcurve' checkbox is checked.
- Presets:** A dropdown menu set to '- select a preset -' and a 'reset parameters to match' button.
- Star 1 Properties:** mass: 1.0  $M_{\odot}$ , radius: 1.5  $R_{\odot}$ , temperature: 8700 K.
- Star 2 Properties:** mass: 1.0  $M_{\odot}$ , radius: 1.5  $R_{\odot}$ , temperature: 5000 K.
- System Properties:** separation: 10.00  $R_{\odot}$ , eccentricity: 0.30.