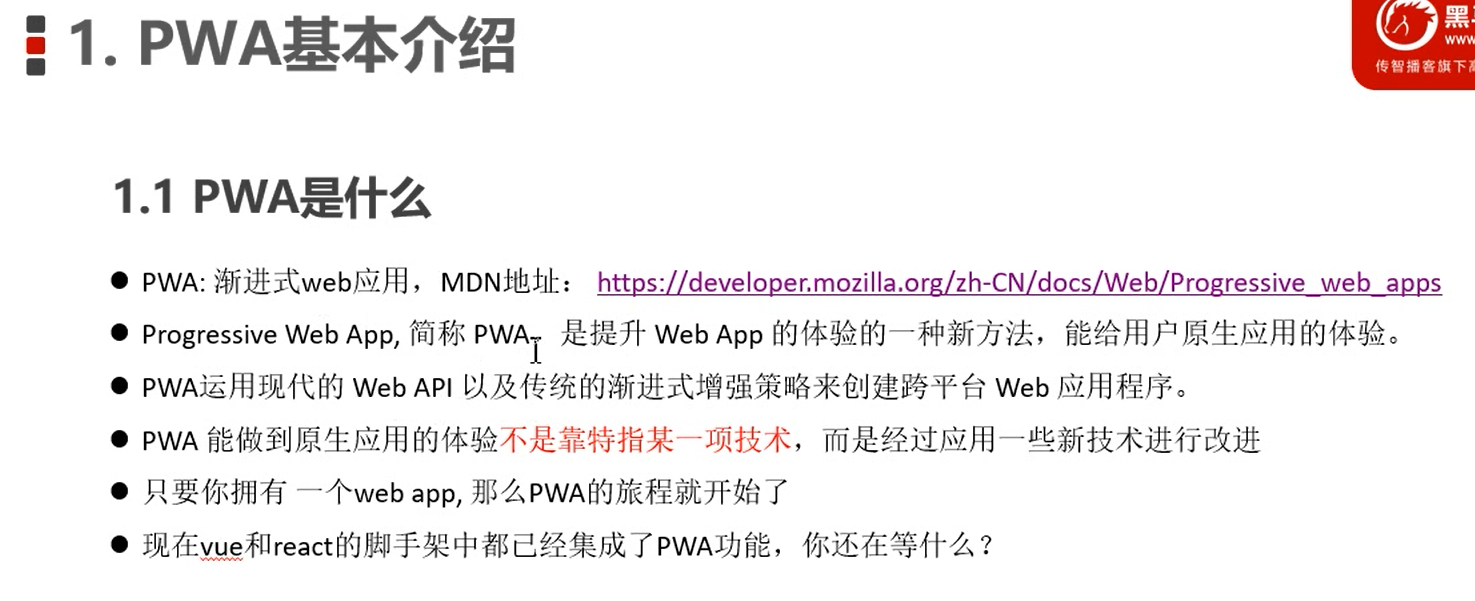
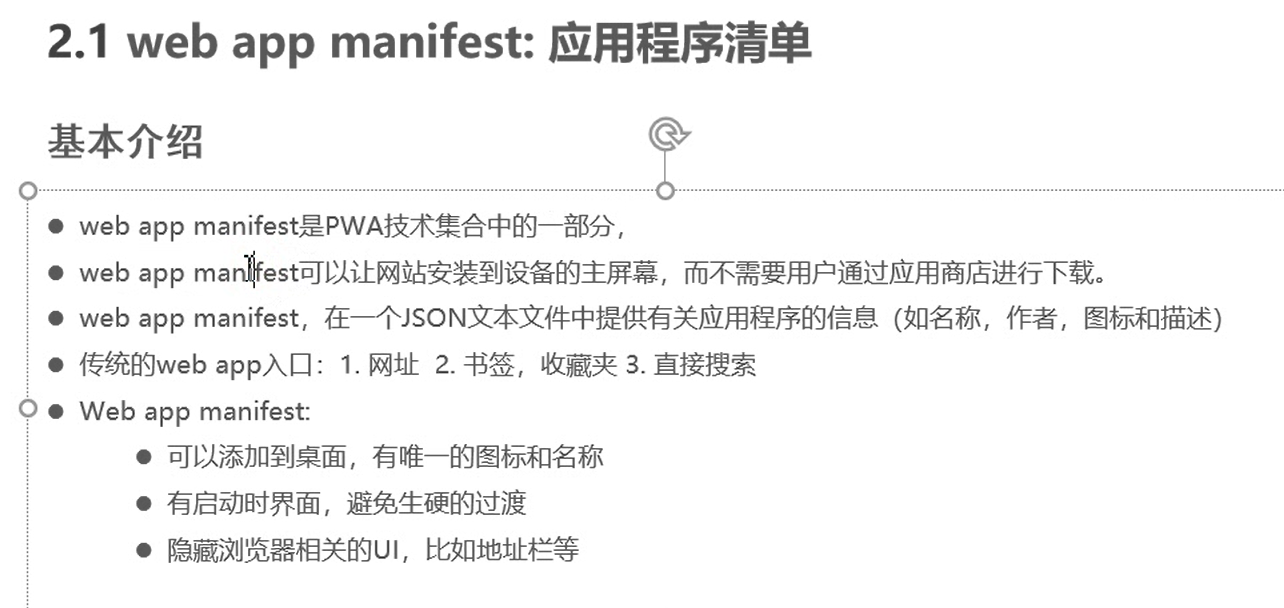
# 什么是PWA





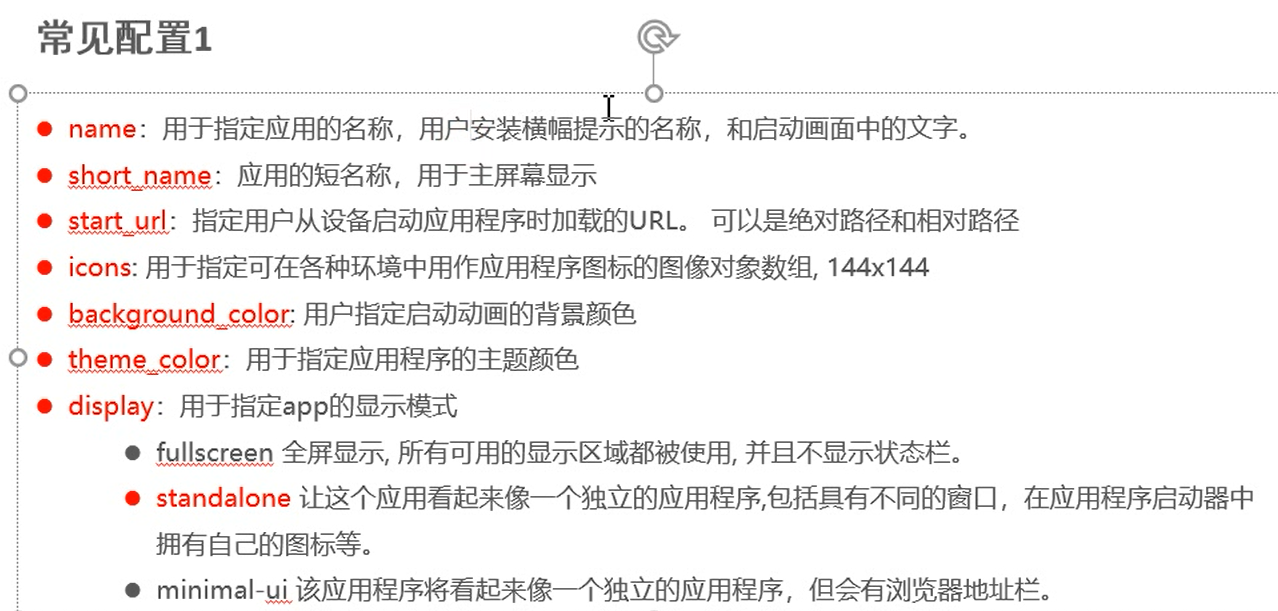
# web app manifest

## 基本使用





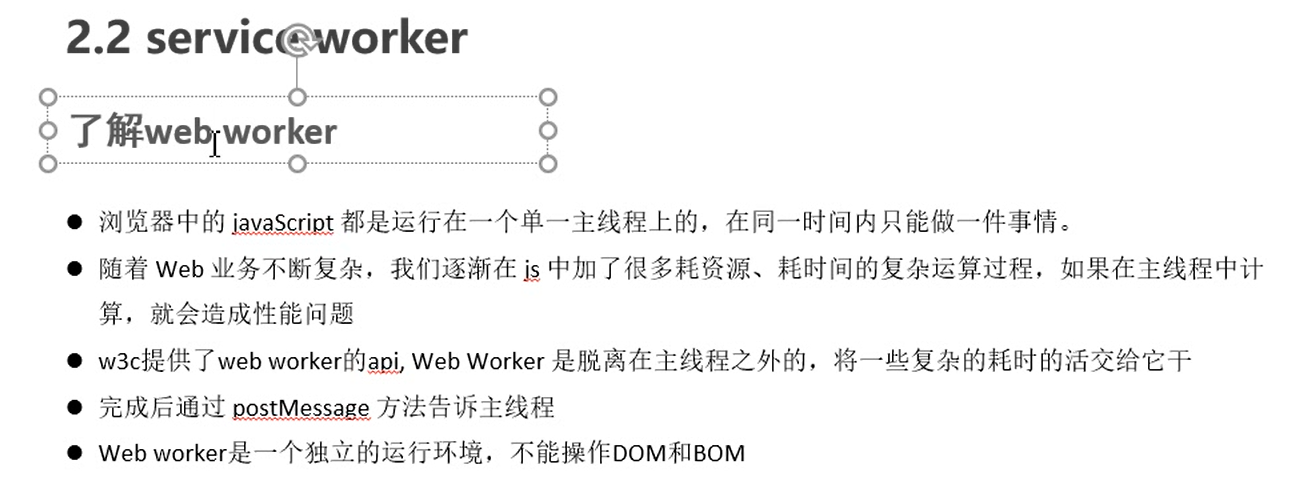
## 常见配置



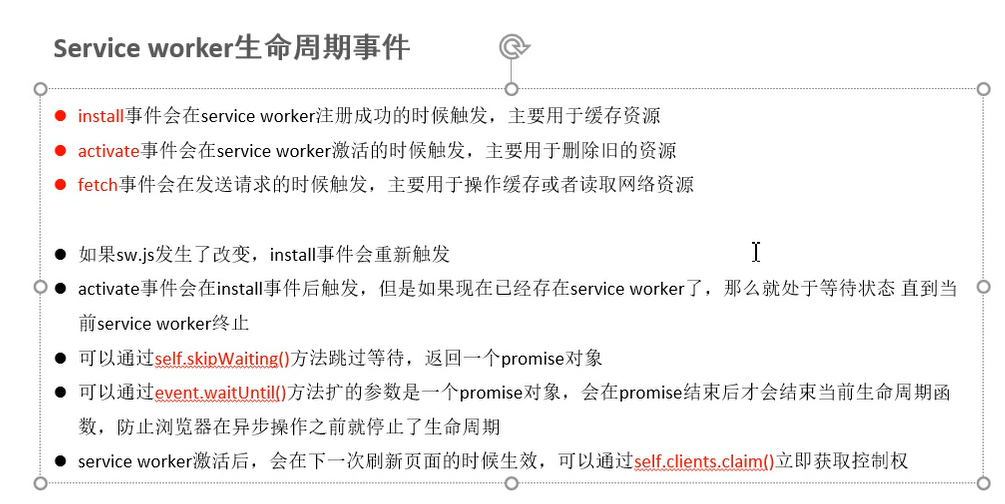


# service worker





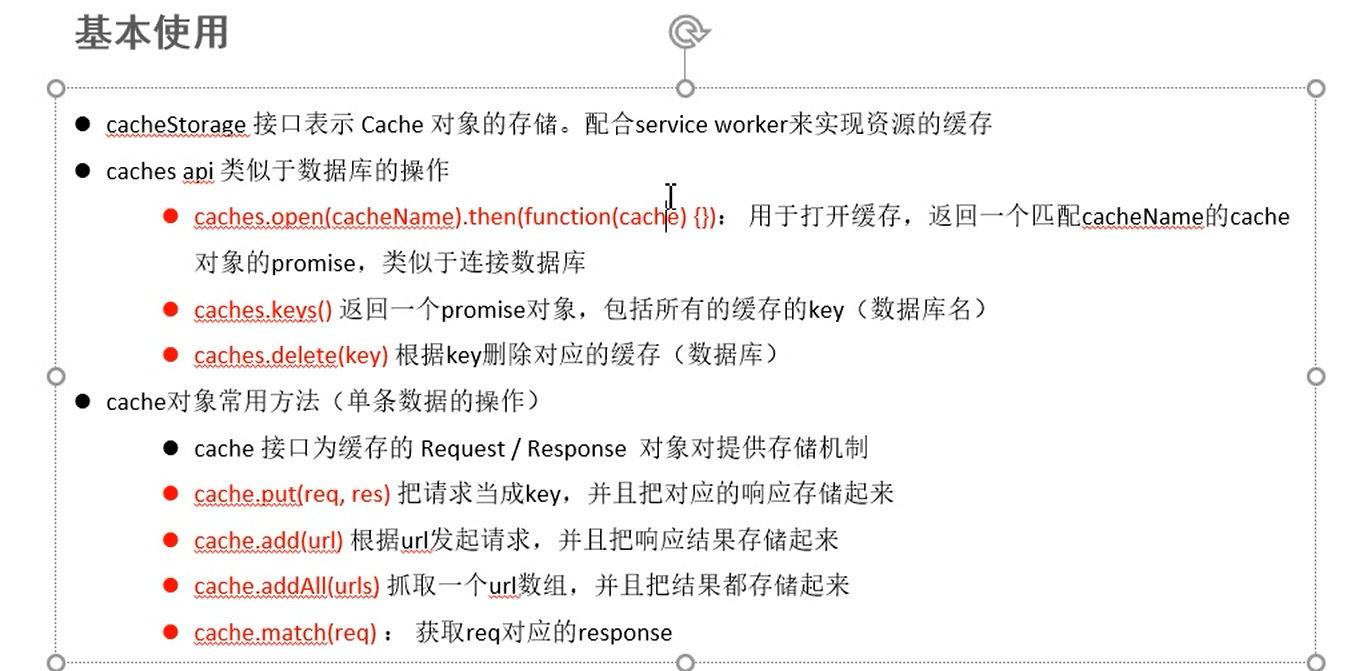
 

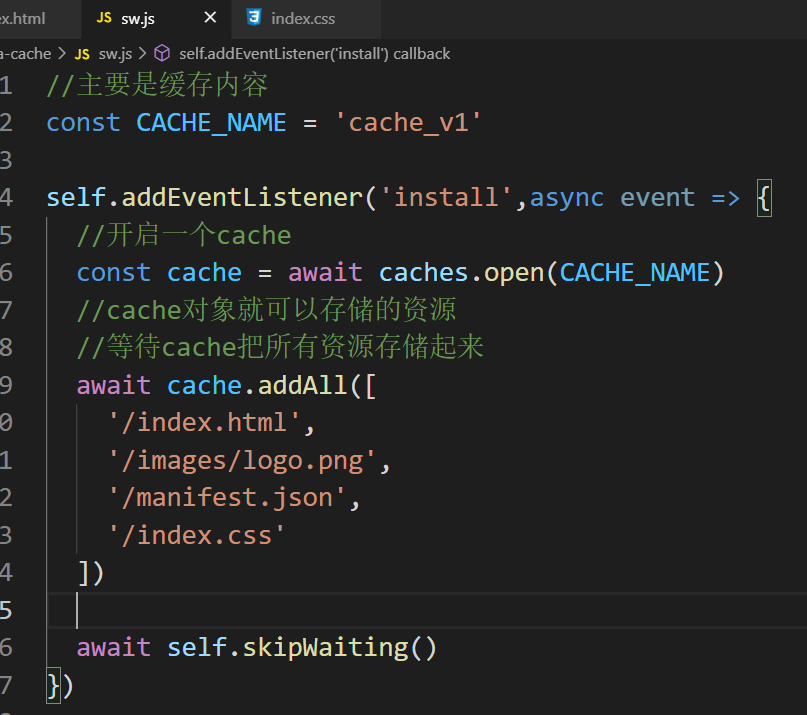


意思是如果不写self.skipWaiting(), 除了第一次install后会触发activate，以后更新代码触发install后，不会触发activate而是进入等待

# cache storage

存在于service worker的js文件中

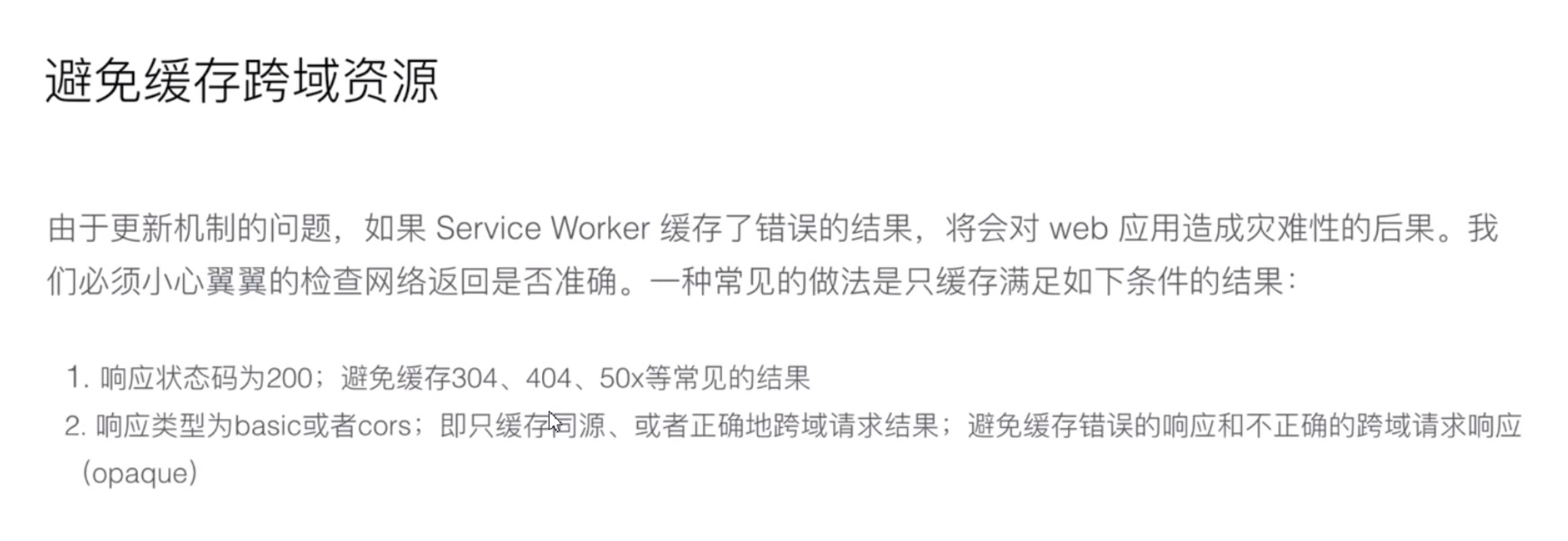




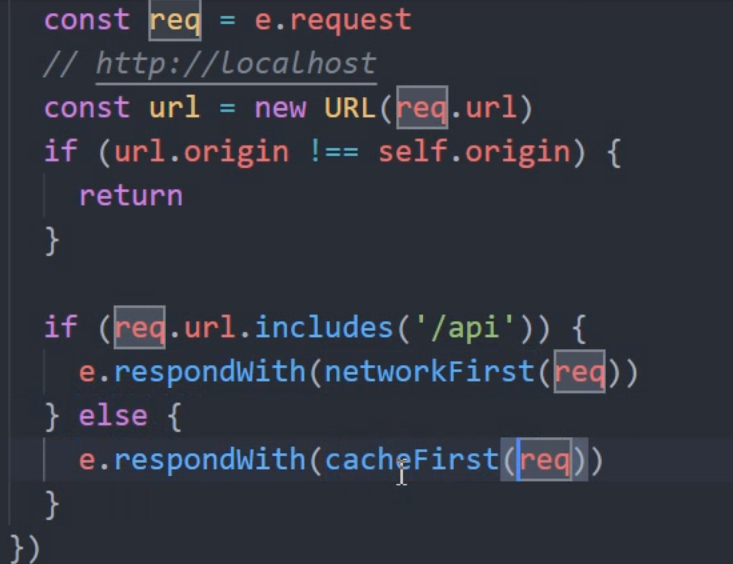


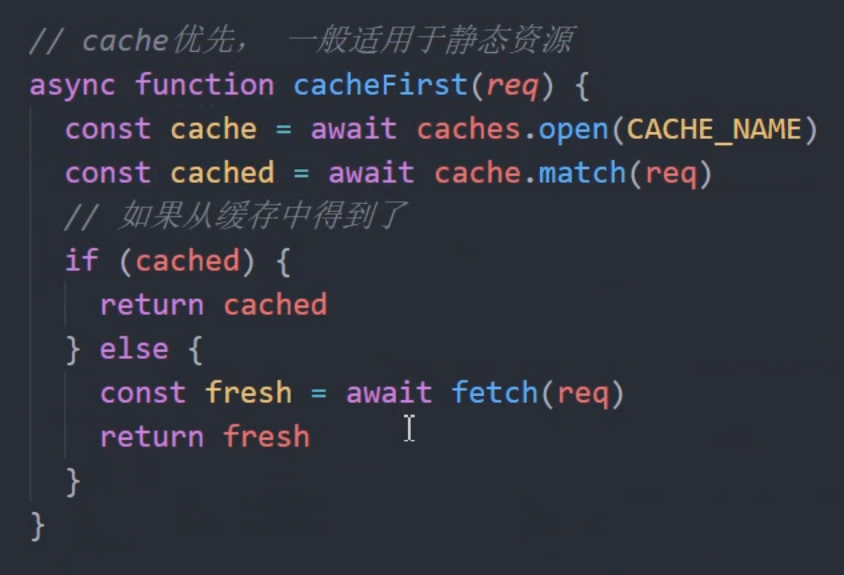
# notification

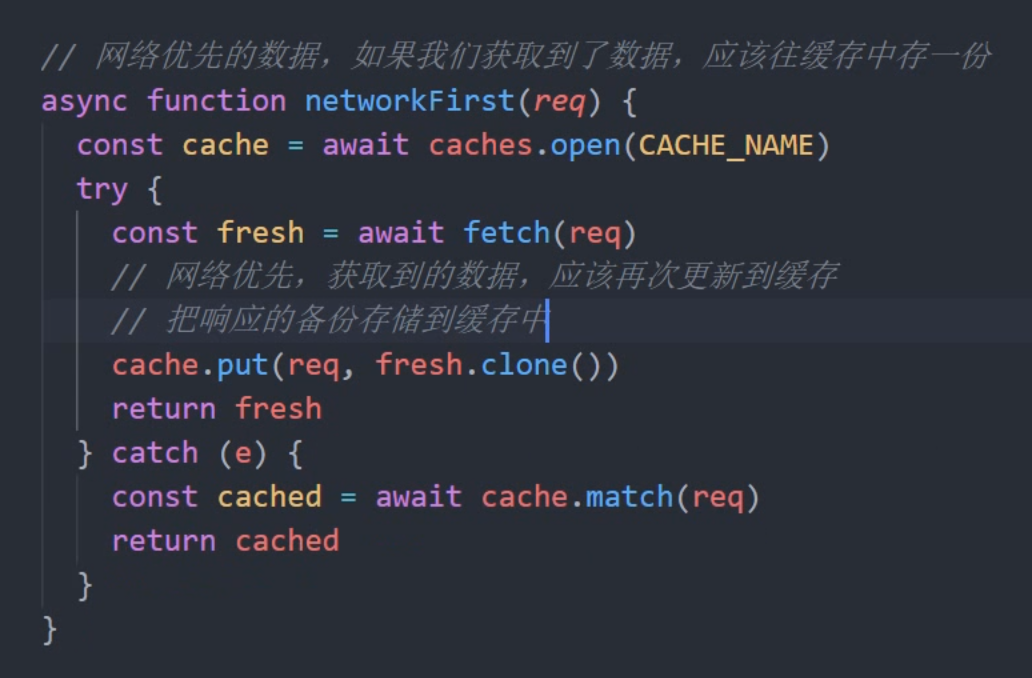




通过url.origin来判断是不是同源的资源







fresh数据只能用一次，所以要clone一下。