Q1)What are the differences between cookie, local storage and session storage?

A)These are three mechanisms which are used to store data in web browsers.

a)**cookie:**cookie's small pieces of data stored in user browser.They are typically used to store small amounts of data (usually up to 4KB) and are primarily intended for server-side communication.

b)**Local storage**:Local storage is a client-side storage mechanism that allows web applications to store larger amounts of data (usually up to several MBs) on the user's browser.

c)**Session storage**:Session storage is similar to local storage in terms of capabilities and size limits (up to several MBs), but it has a different lifecycle.While local storage data persists beyond browser sessions, session storage data is cleared once the user closes the browser or the tab.