

What is cookies, how to handle it and why to handle it.?

Cookies are small pieces of data (key-value pairs) that websites store in your browser to remember information about you across sessions.

What are Cookies?

Cookies contain data like:

- Session ID: Keeps you logged in
- User preferences: Language, theme, location
- Shopping cart: Items you added
- Tracking: Analytics, ads personalization

Each cookie

has name, value, domain, path, expiry, secure, httpOnly attributes.

How to handle cookies in selenium?

Selenium provides complete cookie management via `driver.manage().cookies()`

// 1. GET all cookies

```
Set<Cookie> allCookies = driver.manage().getCookies();
```

```
for(Cookie cookie : allCookies) {
```

```
    System.out.println(cookie.getName() + "=" + cookie.getValue());
```

```
}
```

// 2. GET specific cookie

```
Cookie sessionCookie = driver.manage().getCookieNamed("JSESSIONID");
```

// 3. ADD cookie

```
Cookie newCookie = new Cookie("testUser", "12345", ".example.com", "/",  
3600);
```

```
driver.manage().addCookie(newCookie);
```

// 4. DELETE specific cookie

```
driver.manage().deleteCookieNamed("testUser");
```

// 5. DELETE all cookies

```
driver.manage().deleteAllCookies();
```

```
driver.quit();
```

Why Handle Cookies in Automation?

Reason	Example
Bypass login	Set session cookie to test logged-in flows without UI login
Test isolation	Clear cookies between tests to avoid state leakage
User simulation	Test "remember me", guest checkout, regional preferences
Session persistence	Maintain cart state across multiple test steps
Privacy testing	Verify cookie consent, GDPR compliance