

HTTP cookie	.....	3
 HTTP	.....	3
.....	.....	3
.....	.....	4
.....	.....	5
.....	.....	6
.....	.....	7
 RFC 6265, RFC 2109	.....	8
6.0~8.5	.....	10
6.0	.....	10
7.0	.....	11
8.0 ~ 8.5	.....	11
.....	.....	12
.....	.....	16

Last http_cookie
update: https://atl.kr/dokuwiki/doku.php/http_cookie%EC%99%80_%ED%86%B0%EC%BA%A3_%EB%B2%84%EC%A0%84%EB%B3%84_%EC%9D%B4%EC%8A%88
2020/11/27 -
11:36 -

HTTP cookie

: <https://meetup.toast.com/posts/172>

HTTP

- HTTP 가
-

()

- . 12 (DB .)
- UID() 가
- UID가

Name	Value	Domain	Path	Expires / Max-Age
JSESSIONID	564BEEA6D70D6851...	local-id.hangame.com	/	1969-12-31T23:59:59.000Z
LUT	W	.hangame.com	/	1969-12-31T23:59:59.000Z

Name	Value	Domain	Path	Expires / Max-Age
BID	B7OMN72YM6GFO38...	.hangame.com	/	2050-01-01T09:00:00.784Z
CAT	Y+1	.hangame.com	/	2018-11-21T00:37:34.514Z
HG_CP_LOGIN	"iNto0EJ2sxsXkoaitVu...	.hangame.com	/	1969-12-31T23:59:59.000Z
HG_JS	Y%5E27%5EM%5E%	.hangame.com	/	1969-12-31T23:59:59.000Z
HG_LOGIN	c5U4eWNQ9GjS_-ouY...	.hangame.com	/	1969-12-31T23:59:59.000Z
HG_SP_LOGIN	"gYJFhmcAjqskoVTxfv...	.hangame.com	/	1969-12-31T23:59:59.000Z
LUT	W	.hangame.com	/	1969-12-31T23:59:59.000Z
NNB	LAS2L56ODPGVW	.hangame.com	/	2050-01-01T09:00:00.784Z
hgDomain	hangame	.hangame.com	/	1969-12-31T23:59:59.000Z
login	A08B6B53561B5A%2...	.hangame.com	/	1969-12-31T23:59:59.000Z

(,)

-
- 가, duckduckgo

Last update: http_cookie
2020/11/27 https://atl.kr/dokuwiki/doku.php/http_cookie%EC%99%80_%ED%86%B0%EC%BA%A3_%EB%B2%84%EC%A0%84%EB%B3%84_%EC%9D%B4%EC%8A%88
11:36

테마

8 oz to grams

8 ounces = 226.796 grams

Convert oz to grams - Conversion of Measurement Units

Quickly convert ounces into grams (oz to grams) using the online calculator for metric conversions and more.

convertunits.com/from/oz/to/grams

기본값

8 oz to grams

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✓ 색상 대비

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어둠

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회색

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convertunits.com

터미널

Events	Console	Sources	Network	Performance	Memory	Application	Security	Audits
headers		C ⚡ X Filter						

Name Value Domain Path Expires / Max-Age

ae c duckduckgo.com / 2025-01-11T15:00:00.000Z

()

- 가 가
- 가 ,

가

```
GET /test HTTP/1.1
Host: localhost:8080
Cache-Control: max-age=0
Upgrade-Insecure-Requests: 1
User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 10_14_0)
AppleWebKit/537.36 (KHTML, like Gecko) Chrome/70.0.3538.102 Safari/537.36
DNT: 1
Accept:
text/html,application/xhtml+xml,application/xml;q=0.9,image/webp,image/apng,
```

```
*/*;q=0.8  
Accept-Encoding: gzip, deflate, br  
Accept-Language: ko,en-US;q=0.9,en;q=0.8
```

Set-Cookie

HTTP/1.1 200 OK
Server: Apache-Coyote/1.1
Set-Cookie: CookieName1=Example1; Expires=Tue, 27-Nov-2018 02:53:13 GMT
Set-Cookie: CookieName2=Example2; Expires=Tue, 27-Nov-2018 02:53:13 GMT
Set-Cookie: JSESSIONID=8EB8434C5776358C84017077E11A3300; Path=/
Content-Type: text/html; charset=ISO-8859-1
Content-Language: ko
Content-Length: 316

- Set-Cookie 가 .
• name : value 가

가 Set-Cookie 가

Name	Value	Domain	Path	Expires / Max-Age
CookieName1	Example1	localhost	/	2018-11-27T02:57:08.663Z
CookieName2	Example2	localhost	/	2018-11-27T02:57:08.663Z
JSESSIONID	8EB8434C5776358C84017077E11A3300	localhost	/	1969-12-31T23:59:59.000Z

가 가

```
GET /test HTTP/1.1
Host: localhost:8080
Cache-Control: max-age=0
Upgrade-Insecure-Requests: 1
User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 10_14_0)
AppleWebKit/537.36 (KHTML, like Gecko) Chrome/70.0.3538.102 Safari/537.36
DNT: 1
Accept:
text/html,application/xhtml+xml,application/xml;q=0.9,image/webp,image/apng,
*/*;q=0.8
Accept-Encoding: gzip, deflate, br
Accept-Language: ko,en-US;q=0.9,en;q=0.8
Cookie: JSESSIONID=8EB8434C5776358C84017077E11A3300; CookieName1=Example1;
CookieName2=Example2
```

Domain

- Domain 가
- 가
- EX) hangame.com payco.com 가
- 가
- Domain 가
- hangame.com Domain
- hangame.com 가
- hangame.com Domain hangame.com
- accounts.hangame.com

Path

- Domain 가 가
- Path 가 Path 가
- Path Set-Cookie

Expires / Max-Age

- Expire Max-Age 가
- Expire
- Max-Age 가

Secure

- Secure
- 가

HttpOnly

- HttpOnly HTTP
- HttpOnly 가 API

- 가
- Expires Max-Age 가 가
- Expires Max-Age 가
- 가

- (HTTPS)
- secure 가 HTTPS

Http-only

- API XSS
- cross-site tracing (XST) cross-site request forgery (XSRF)
- HttpOnly 가

Same-site

- 51
-

third-party

- 가
- 가
- , HTML5 , 가 가

0, 1

- 0 Netscape 1 RFC 2109
- RFC 2109 Netscape .3
- - Netscape Name, Value, Expires, Domain, Path, Secure, 가
 - RFC 2109 Name, Value, Comment, Domain, Max-Age, Path, Secure, Version
- - Netscape RFC 2109 delta-seconds Expires
 - Netscape ; , ' '
 - Netscape ; , ' ' RFC 2109 가

- Netscape - “ , RFC 2109
- Netscape = = , RFC 2109

RFC 6265, RFC 2109

- RFC 2109 , RFC 6265
- RFC 6265가 RFC 2109 RFC 2965 .4
- Set-Cookie
- RFC 2109 Name, Value, Comment, Domain, Max-Age, Path, Secure, Version
- RFC 6265 Name, Value, Expires, Domain, Max-Age, Path, Secure, HttpOnly가
- Comment 가 , Version 가
- Expires Date 가 가 , HttpOnly HTTP .(가 API)
- - RFC 2109 가 300 , 4096 , 20

* at least 300 cookies

* at least 4096 bytes per cookie (as measured by the size of the characters that comprise the cookie non-terminal in the syntax description of the Set-Cookie header)

* at least 20 cookies per unique host or domain name

- RFC 6265 가 3000 , 4096 , 50 가
 - At least 4096 bytes per cookie (as measured by the sum of the length of the cookie's name, value, and attributes).
 - At least 50 cookies per domain.
 - At least 3000 cookies total.

- RFC 6265 ” 가
- RFC 6265 가 Set-Cookie
- javax.servlet.http.Cookie
- 6265



* This class supports both the RFC 2109 and the RFC 6265 specifications. * By default, cookies are created using RFC



6265.

- setVersion netscape, 2109 가 .

```
/*
 * Sets the version of the cookie protocol this cookie complies with.
 * Version 0 complies with the original Netscape cookie specification.
 * Version 1 complies with RFC 2109.
 * <p>
 * Since RFC 2109 is still somewhat new, consider version 1 as experimental;
 * do not use it yet on production sites.
 *
 * @param v
 *          0 if the cookie should comply with the original Netscape
 *          specification; 1 if the cookie should comply with RFC 2109
 * @see #getVersion
 */
public void setVersion(int v) {
    version = v;
}
```

- default 가 0 (netscape)가 가 .
- RFC 6265 Expires가 maxAge .

```
private final String name;
private String value;

private int version = 0; // ;Version=1 ... means RFC 2109 style

//
// Attributes encoded in the header's cookie fields.
//
private String comment; // ;Comment=VALUE ... describes cookie's use
private String domain; // ;Domain=VALUE ... domain that sees cookie
private int maxAge = -1; // ;Max-Age=VALUE ... cookies auto-expire
private String path; // ;Path=VALUE ... URLs that see the cookie
private boolean secure; // ;Secure ... e.g. use SSL
private boolean httpOnly; // Not in cookie specs, but supported by browsers
```

- maxAge Expires가 .

▼ Permanent Cookies	
▼ rfc6265	6265
Expires	Mon, 22-Oct-2018 00:21:45 GMT
Max Age	100
Domain	hangame.com

6.0~8.5

6.0

6.0

DIGEST 6.0.x Manager App WWW-Authenticate

- https://bz.apache.org/bugzilla/show_bug.cgi?id=52983
 - - 401

HTTP/1.1 401 Unauthorized
Pragma: No-cache
Cache-Control: no-cache
Expires: Thu, 01 Jan 1970 10:00:00 EST
WWW-Authenticate: Basic realm="Tomcat Manager Application"
Set-Cookie: JSESSIONID=****removed****; Path=/manager
WWW-AuthenticateREDUNDANT: Basic realm="Tomcat Manager Application"
Content-Type: text/html
Transfer-Encoding: chunked
Vary: Accept-Encoding
Date: Mon, 26 Mar 2012 03:39:09 GMT
Server: Coyote

- 6.0.36
 - 401.jsp
 - 가 . (.) 가 . .

三

- https://bz.apache.org/bugzilla/show_bug.cgi?id=57896
 -
 -

Name: foo
Value: bar "baz"

```
Actual value:  
[Cookie received: foo="bar "baz"\"]  
Expected value:  
[Cookie received: foo="bar \"baz\""]
```

- 6.0.45

7.0

7.0

JSESSIONID 가

- https://bz.apache.org/bugzilla/show_bug.cgi?id=60854
- - 가
 - JSESSIONID 가
 - 가 2 JSESSIONID 가
- - alwaysUseSession="true" (가)

ClusterSingleSignOn valve SingleSignOnEntry 가

- https://bz.apache.org/bugzilla/show_bug.cgi?id=57338
- - 7.0.62

8.0 ~ 8.5

8.0 ~ 8.5

Domain 가

- - domain

[java.lang.IllegalArgumentException](#): An invalid domain [.hangame.com] was specified for this cookie
 at org.apache.tomcat.util.http.Rfc6265CookieProcessor.validateDomain([Rfc6265CookieProcessor.java:203](#))
 at org.apache.tomcat.util.http.Rfc6265CookieProcessor.generateHeader([Rfc6265CookieProcessor.java:145](#))
- - Domain
 - LegacyCookieProcessor context.xml

Request.parseCookies() NullPointerException

- https://bz.apache.org/bugzilla/show_bug.cgi?id=58578
- - 8.0.29

Last update: http_cookie
2020/11/27 https://atl.kr/dokuwiki/doku.php/http_cookie%EC%99%80_%ED%86%B0%EC%BA%A3_%EB%B2%84%EC%A0%84%EB%B3%84_%EC%9D%B4%EC%8A%88
11:36

Rfc6265CookieProcessor

가

- https://bz.apache.org/bugzilla/show_bug.cgi?id=58445
- - 8.0.27

가

Rfc6265CookieProcessor가

- https://bz.apache.org/bugzilla/show_bug.cgi?id=60627
- - 8.5.12
 - version 0 RFC6265

Set-Cookie 가 RFC

- https://bz.apache.org/bugzilla/show_bug.cgi?id=60876
- - 8.5.13

가

HTTP Status 500 - Request processing failed; nested exception is java.lang.IllegalArgumentException: Control character in cookie value or attribute.

type Exception report

message Request processing failed; nested exception is java.lang.IllegalArgumentException: Control character in cookie value or attribute.

description The server encountered an internal error that prevented it from fulfilling this request.

exception

```
org.springframework.web.util.NestedServletException: Request processing failed; nested exception is java.lang.IllegalArgumentException: Control character in cookie value or attribute.
    org.springframework.web.servlet.FrameworkServlet.processRequest(FrameworkServlet.java:894)
    org.springframework.web.servlet.FrameworkServlet.doGet(FrameworkServlet.java:778)
    javax.servlet.http.HttpServlet.service(HttpServlet.java:618)
    javax.servlet.http.HttpServlet.service(HttpServlet.java:725)
    org.apache.tomcat.websocket.server.WsFilter.doFilter(WsFilter.java:52)
```

root cause

```
java.lang.IllegalArgumentException: Control character in cookie value or attribute.
    org.apache.tomcat.util.http.LegacyCookieProcessor.needsQuotes(LegacyCookieProcessor.java:431)
    org.apache.tomcat.util.http.LegacyCookieProcessor.generateHeader(LegacyCookieProcessor.java:303)
```

- URLEncoder.encode

```
CookieController - =====
CookieController - Name : CookieName1 Value : %C7%D1%8B1%DB%C5%D7%BD%BA%C6%AE1
CookieController - Name : CookieName2 Value : %22%C7%D1%8B1%DB%C5%D7%BD%BA%C6%AE2%22
CookieController - Name : %C7%D1%8B1%DB%C5%D7%BD%BA%C6%AE3 Value : Value3
CookieController - Name : CookieName4 Value : !#%
CookieController - Name : JSESSIONID Value : EC15422CDCB16E4A7B15776C44ED6B41
CookieController - =====
```

- Tomcat 8.5

```
HTTP/1.1 200 OK
Server: Apache-Coyote/1.1
Set-Cookie: CookieName1=%C7%D1%8B1%DB%C5%D7%BD%BA%C6%AE1
Set-Cookie: CookieName2=%22%C7%D1%8B1%DB%C5%D7%BD%BA%C6%AE2%22
Set-Cookie: %C7%D1%8B1%DB%C5%D7%BD%BA%C6%AE3=Value3
Content-Type: text/html
```

```
CookieController - Name : CookieName1 Value : 한글테스트1
CookieController - Name : CookieName2 Value : 한글테스트2
CookieController - Name : %ED%95%9C%EA%B8%80%ED%85%8C%EC%8A%A4%ED%8A%B83 Value : Value3
CookieController - Name : JSESSIONID Value : EA7DD1577F4C3FACD984DFC3402C9E21
CookieController - =====
```

=가 = 가

```
CookieController - =====  
CookieController - Name : CookieName1 Value : Before  
CookieController - Name : CookieName2 Value : Before  
CookieController - Name : JSESSIONID Value : 395EBD87DEB6B5A44E67DB1943D88E15  
CookieController - =====
```



```
Accept-Encoding: gzip, deflate, br  
Accept-Language: ko, en-US;q=0.9, en;q=0.8  
Cookie: CookieName1=Before;CookieName2=Before==After;CookieName3=====  
==; JSESSIONID=395EBD87DEB6B5A44E67DB1943D88E15
```

- =가 ” “
 - org.apache.catalina.STRICT_SERVLET_COMPLIANCE=true =가 ” “

- catalina.properties
org.apache.tomcat.util.http.ServerCookie.ALLOW_EQUALS_IN_VALUE=true 가

```
CookieController - ====== Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/webp,image/apng,*/*;q=0.8  
CookieController - Name : JSESSIONID Value : 95D054A9FE66C03204916CFA754F947C  
CookieController - Name : CookieName1 Value : Before=After  
CookieController - Name : CookieName2 Value : Before=After  
CookieController - Name : CookieName3 Value : =====  
CookieController - ====== Accept-Encoding: gzip, deflate, br  
Accept-Language: ko,en-US;q=0.9,en;q=0.8  
Cookie: JSESSIONID=95D054A9FE66C03204916CFA754F947C; CookieName1=Before=After; Cooki  
eName2=Before=After; CookieName3=====
```

- URLEncoder.encode . (Decoding .)

```
CookieController - Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/webp,image/apng,*/*;q=0.8  
CookieController - Name : JSESSIONID Value : 9D5054A9FE66C03204916CFA754F947C  
CookieController - Name : CookieName1 Value : Before~After  
CookieController - Name : CookieName2 Value : Before==After  
CookieController - Name : CookieName3 Value : =====  
CookieController - =====
```

- value = 가 가

@가 @ 가

```
CookieController - ====== Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/webp,image/apng,*/*;q=0.8
CookieController - Name : CookieName1 Value : Before Accept-Encoding: gzip, deflate, br
CookieController - Name : CookieName2 Value : Before Accept-Language: ko,en-US;q=0.9,en;q=0.8
CookieController - Name : CookieName3 Value : Before Cookie: CookieName1=Before@After; CookieName2=Before@After; CookieName3=Before@After
CookieController - Name : CookieName5 Value : Before @@@@; CookieName4=@@@@After; CookieName5=Before@After; JSESSIONID=991D95E8A3F
CookieController - Name : JSESSIONID Value : 991D95E8A3FE9CEA35C9D296ACD0516B E9CEA35C9D296ACD0516B
```

- @가 ” “
 - org.apache.catalina.STRICT_SERVLET_COMPLIANCE=true

- ## 8 catalina properties

```
catalina.properties  
org.apache.tomcat.util.http.ServerCookie.ALLOW_SEPARATORS_IN_V0=true
```

85

```
.CookieController - Name : CookieName1 Value : Before@@After  
.CookieController - Name : CookieName2 Value : Before@@After  
.CookieController - Name : CookieName3 Value : Before@@After  
.CookieController - Name : CookieName4 Value : @@@@After  
.CookieController - Name : CookieName5 Value : Before@@@After  
.CookieController - Name : JSESSIONID Value : C155C96F1DCC37826DC0B27A843C15D  
.CookieController -
```

--> Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/webp,image/apng,*/*;q=0.8
Accept-Encoding: gzip, deflate, br
Accept-Language: ko,en-US;q=0.9,en;q=0.8
Cookie: CookieName1=Before@@After; CookieName2=Before@@After; CookieName3=Before@@0000@0000; CookieName4=@00000000After; CookieName5=Before@0000@After; JSESSIONID=27FB1C1AC41564E1EB7D1368BC73B2A59

7

```
CookieController - ======Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/webp,image/apng,*/*;q=0.8
.CookieController - Name : CookieName1 Value : Before@After
.CookieController - Name : CookieName2 Value : Before@After
.CookieController - Name : CookieName3 Value : Before@000000
.CookieController - Name : CookieName4 Value : @00000000After
.CookieController - Name : CookieName5 Value : Before@000000
.CookieController - Name : JSESSIONID Value : ADEA9B110739E0F276A0B50027984A02
.CookieController - ======Accept-Encoding: gzip, deflate, br
Accept-Language: ko,en-US;q=0.9,en;q=0.8
Cookie: CookieName1=Before@After; CookieName2=Before@00After; CookieName3=Before@0000
@00; CookieName4=@00000000After; CookieName5=Before@0000After; JSESSIONID=ADEA9B11073
9E0F276A0B50027984A02
```

6

◦ UBI Encoder encode

7

•

Decoding

1

Last update: http_cookie
2020/11/27 - https://atl.kr/dokuwiki/doku.php/http_cookie%EC%99%80_%ED%86%B0%EC%BA%A3_%EB%B2%84%EC%A0%84%EB%B3%84_%EC%9D%B4%EC%8A%88
11:36 -

```
CookieController - =====
CookieController - Name : CookieName1 Value : Before@After
CookieController - Name : CookieName2 Value : Before@After
CookieController - Name : CookieName3 Value : Before@000000
CookieController - Name : CookieName4 Value : @000000After
CookieController - Name : CookieName5 Value : Before@0000After
CookieController - Name : JSESSIONID Value : 2141A6800CB6ABFB75CBE84A6B3E17B6
CookieController -
```

- value @가 가 ” “

Value +가 ” "()

- ○ Content-type applicatoin/x-www-form-urlencoded
- ○ Url-safe base64 encode .(Encoding) + /가 - _ .)

```
/***
 * This array is a lookup table that translates 6-bit
positive integer
 * index values into their "Base64 Alphabet" equivalents
as specified
 * in "Table 1: The Base64 Alphabet" of RFC 2045 (and RFC
4648).
 */
private static final char[] toBase64 = {
    'A', 'B', 'C', 'D', 'E', 'F', 'G', 'H', 'I', 'J', 'K',
'L', 'M',
    'N', 'O', 'P', 'Q', 'R', 'S', 'T', 'U', 'V', 'W', 'X',
'Y', 'Z',
    'a', 'b', 'c', 'd', 'e', 'f', 'g', 'h', 'i', 'j', 'k',
'l', 'm',
    'n', 'o', 'p', 'q', 'r', 's', 't', 'u', 'v', 'w', 'x',
'y', 'z',
    '0', '1', '2', '3', '4', '5', '6', '7', '8', '9', '+',
'/'};
}

/**
 * It's the lookup table for "URL and Filename safe
Base64" as specified
 * in Table 2 of the RFC 4648, with the '+' and '/'
changed to '-' and
 * '_'. This table is used when BASE64_URL is specified.
*/
private static final char[] toBase64URL = {
    'A', 'B', 'C', 'D', 'E', 'F', 'G', 'H', 'I', 'J', 'K',
'L', 'M',
    'N', 'O', 'P', 'Q', 'R', 'S', 'T', 'U', 'V', 'W', 'X',
'Y', 'Z',
    'a', 'b', 'c', 'd', 'e', 'f', 'g', 'h', 'i', 'j', 'k',
'l', 'm',
    'n', 'o', 'p', 'q', 'r', 's', 't', 'u', 'v', 'w', 'x',
'y', 'z',
```

'0', '1', '2', '3', '4', '5', '6', '7', '8', '9', '-'

} ;

- Java 8 `java.util.Base64` `getUrlEncoder().encode`
 - 8 `org.apache.commons.codec.binary.Base64`
`encodeBase64URLSafeString` .

가 가 가

HTTP Status 500 – Internal Server Error

Type Exception Report

Message Request processing failed; nested exception is java.lang.IllegalArgumentException: Cookie name [(CookieName1)] is a reserved token

Description The server encountered an unexpected condition that prevented it from fulfilling the request.

Exception

```
org.springframework.web.util.NestedServletException: Request processing failed; nested exception is java.lang.NullPointerException
    at org.springframework.web.servlet.FrameworkServlet.processRequest(FrameworkServlet.java:894)
    at org.springframework.web.servlet.FrameworkServlet.doGet(FrameworkServlet.java:778)
    at javax.servlet.http.HttpServlet.service(HttpServlet.java:635)
    at javax.servlet.http.HttpServlet.service(HttpServlet.java:742)
    at org.apache.tomcat.websocket.server.WsFilter.doFilter(WsFilter.java:52)
```

▪ Tomcat 6

- 가 value가
 - value

```
        makeCookie(response, "(CookieName1)",  
"Bracket");  
        makeCookie(response, "{CookieName2}",  
"Bracket");  
        makeCookie(response, "[CookieName3]",  
"Bracket");  
        makeCookie(response, "CookieName4",  
"(Bracket"));  
        makeCookie(response, "CookieName5",  
"{Bracket}");  
        makeCookie(response, "CookieName6",  
"[Bracket]);
```

```
.CookieController - ======  
.CookieController - Name : CookieName1 Value :  
.CookieController - Name : CookieName2 Value :  
.CookieController - Name : CookieName3 Value :  
.CookieController - Name : JSESSIONID Value : 5E4B160512920A4D213E5E2D8EFEEBCB  
.CookieController - ======
```

Accept-Encoding: gzip, deflate, br
Accept-Language: ko,en-US;q=0.9,en;q=0.8
Cookie: (CookieName1)=Bracket; {CookieName2}=Bracket; [CookieName3]=Bracket; CookieName4=(Bracket); CookieName5={Bracket}; CookieName6=[Bracket]; JSESSIONID=5E4B160512920A4D213E5E2D8EFEEBCB

- Tomcat 7

Last update: http_cookie
2020/11/27 - https://atl.kr/dokuwiki/doku.php/http_cookie%EC%99%80_%ED%86%B0%EC%BA%A3_%EB%B2%84%EC%A0%84%EB%B3%84_%EC%9D%B4%EC%8A%88
11:36 -

HTTP Status 500 – Internal Server Error

Type Exception Report

Message Request processing failed; nested exception is java.lang.IllegalArgumentException: Cookie name [(CookieName1)] is a reserved token

Description The server encountered an unexpected condition that prevented it from fulfilling the request.

Exception

```
org.springframework.web.util.NestedServletException: Request processing failed; nested exception is ja  
org.springframework.web.servlet.FrameworkServlet.processRequest(FrameworkServlet.java:894)  
org.springframework.web.servlet.FrameworkServlet.doGet(FrameworkServlet.java:778)  
javax.servlet.http.HttpServlet.service(HttpServlet.java:635)  
javax.servlet.http.HttpServlet.service(HttpServlet.java:742)  
org.apache.tomcat.websocket.server.WsFilter.doFilter(WsFilter.java:52)
```

- URLEncoder.encode . (Decoding .)

```
CookieController - =====  
CookieController - Name : (CookieName1) Value : Bracket  
CookieController - Name : {CookieName2} Value : Bracket  
CookieController - Name : [CookieName3] Value : Bracket  
CookieController - Name : CookieName4 Value : {Bracket}  
CookieController - Name : CookieName5 Value : {Bracket}  
CookieController - Name : CookieName6 Value : [Bracket]  
CookieController - Name : JSESSIONID Value : 5B0A4909254ED2D5897D9EBA5E937374  
CookieController - =====
```

DNT: 1
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/webp,image/apng,
/*;q=0.8
Accept-Encoding: gzip, deflate, br
Accept-Language: ko,en-US;q=0.9,en;q=0.8
Cookie: %28CookieName1%29=Bracket; %7BCookieName2%7D=Bracket; %5BCookieName3%5D=Brac
ket; CookieName4=%28Bracket%29; CookieName5=%7BBracket%7D; CookieName6=%5BBracket%5D
; JSESSIONID=5B0A4909254ED2D5897D9EBA5E937374

- [1]https://en.wikipedia.org/wiki/HTTP_cookie#History
- [2]http://web.archive.org/web/20020803110822/http://wp.netscape.com/newsref/std/cookie_spec.html
- [3]<https://tools.ietf.org/html/rfc2109>
- [4]<https://tools.ietf.org/html/rfc6265>

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