

## Celestra cheatsheet – v5.3.1 – <https://github.com/Serrin/Celestra/>

The `celestra` and/or the `CEL` objects contain these functions, except the polyfills. Example: `CEL.qsa("p");`

Core API	DOM	Type checking
<code>signbit(&lt;value&gt;);</code> <code>delay(&lt;ms&gt;).then(&lt;callback&gt;);</code> <code>inherit(&lt;subclass&gt;,&lt;superclass&gt;);</code> <code>randomInt([&lt;max&gt; or &lt;min&gt;,&lt;max&gt;]);</code> <code>randomFloat([&lt;max&gt; or &lt;min&gt;,&lt;max&gt;]);</code> <code>randomBoolean();</code> <code>randomID([hyphens=true],[usedate=false]);</code> <code>randomString([length],[specChar=false]);</code> <code>inRange(&lt;value&gt;,&lt;min&gt;,&lt;max&gt;);</code> <code>b64Encode(&lt;string&gt;);, b64Decode(&lt;str&gt;);</code> <code>javaHash(&lt;data&gt;[,hexa=false]);</code> <code>getUlrVars([str=location.search]);</code> <code>obj2string(&lt;object&gt;);</code> <code>getType(&lt;variable&gt;[,type],[throw=false]);</code> <code>extend([deep,]&lt;target&gt;,&lt;source&gt;[,srcN]);</code> <code>sizeIn(&lt;obj&gt;); and forIn(&lt;obj&gt;,&lt;cb&gt;);</code> <code>filterIn(&lt;obj&gt;,&lt;cb&gt;);, popIn(&lt;obj&gt;,&lt;pr&gt;);</code> <code>strPropercase(&lt;s&gt;);, strCapitalize(&lt;s&gt;);</code> <code>strUpFirst(&lt;str&gt;);, strDownFirst(&lt;str&gt;);</code> <code>strHTMLRemoveTags(&lt;string&gt;);</code> <code>strHTMLEscape(&lt;s&gt;);, strHTMLUnEscape(&lt;s&gt;);</code> <code>strReverse(&lt;str&gt;);, strAt(&lt;str&gt;,&lt;index&gt;);</code> <code>strCodePoints(&lt;string&gt;);</code> <code>strFromCodePoints(&lt;collection&gt;);</code> <code>toFunction(&lt;fn&gt;);, bind(&lt;fn&gt;,&lt;context&gt;);</code> <code>constant(&lt;value&gt;); and identity(&lt;value&gt;);</code> <code>noop(); and T(); and F();</code> <code>assertEq(&lt;msg&gt;,&lt;v1&gt;,&lt;v2&gt;[,strict=true]);</code> <code>assertNotEq(&lt;m&gt;,&lt;v1&gt;,&lt;v2&gt;[,strict=true]);</code> <code>assertTrue(&lt;msg&gt;,&lt;value&gt;);</code> <code>assertFalse(&lt;msg&gt;,&lt;value&gt;);</code> <code>noConflict(); and VERSION;</code>	<code>qsa(&lt;selector&gt;[,context]).forEach(&lt;cb&gt;);</code> <code>qs(&lt;selector&gt;[,context]);</code> <code>domReady(&lt;callback&gt;);</code> <code>domCreate(&lt;type&gt;[,properties[,innerHTML]]);</code> <code>domCreate(&lt;element descriptive object&gt;);</code> <code>domToElement(&lt;htmlString&gt;);</code> <code>domGetCSS(&lt;element&gt;[,property]);</code> <code>domSetCSS(&lt;element&gt;,&lt;property&gt;,&lt;value&gt;);</code> <code>domSetCSS(&lt;element&gt;,&lt;properties&gt;);</code> <code>domFadeIn(&lt;element&gt;[,duration[,display]]);</code> <code>domFadeOut(&lt;element&gt;[,duration]);</code> <code>domFadeToggle(&lt;elem.&gt;[,duration[,display]]);</code> <code>domShow(&lt;element&gt;[,display]);</code> <code>domHide(&lt;element&gt;);</code> <code>domToggle(&lt;element&gt;[,display]);</code> <code>domIsHidden(&lt;element&gt;);</code> <code>domSiblings(&lt;element&gt;);</code> <code>domSiblingsPrev(&lt;element&gt;);</code> <code>domSiblingsLeft(&lt;element&gt;);</code> <code>domSiblingsNext(&lt;element&gt;);</code> <code>domSiblingsRight(&lt;element&gt;);</code> <code>domGetCSSVar(&lt;name&gt;);</code> <code>domSetCSSVar(&lt;name&gt;,&lt;value&gt;);</code> <code>importScript(&lt;script1&gt;[,scriptN]);</code> <code>importStyle(&lt;style1&gt;[,styleN]);</code> <code>setFullscreenOn(&lt;selector&gt; or &lt;element&gt;);</code> <code>setFullscreenOff();</code> <code>getFullscreen();</code> <code>form2array(&lt;form&gt;); and form2string(&lt;form&gt;);</code> <code>getDoNotTrack();</code> <code>getLocation(&lt;success&gt;[,error]);</code> <code>createFile(&lt;filename&gt;,&lt;content&gt;[,dType]);</code>	<code>isMap(&lt;value&gt;); and isWeakMap(&lt;v&gt;);</code> <code>isSet(&lt;value&gt;); and isWeakSet(&lt;v&gt;);</code> <code>isNumber(&lt;v&gt;); and isNumeric(&lt;v&gt;);</code> <code>isFloat(&lt;v&gt;); and isBigInt(&lt;v&gt;);</code> <code>isString(&lt;v&gt;); and isChar(&lt;v&gt;);</code> <code>isDate(&lt;v&gt;); and isError(&lt;v&gt;);</code> <code>isRegex(&lt;v&gt;); and isSymbol(&lt;v&gt;);</code> <code>isElement(&lt;v&gt;); and isObject(&lt;v&gt;);</code> <code>isDataView(&lt;v&gt;);, isBoolean(&lt;v&gt;);</code> <code>isNull(&lt;val&gt;);, isUndefined(&lt;val&gt;);</code> <code>isNullOrUndefined(&lt;v&gt;); isNil(&lt;v&gt;);</code> <code>isPlainObject(&lt;value&gt;);</code> <code>isFunction(&lt;value&gt;);</code> <code>isConstructorFn(&lt;value&gt;);</code> <code>isGeneratorFn(&lt;value&gt;);</code> <code>isAsyncFn(&lt;value&gt;);</code> <code>isArraylike(&lt;value&gt;);</code> <code>isTypedArray(&lt;value&gt;);</code> <code>isArrayBuffer(&lt;value&gt;);</code> <code>isPrimitive(&lt;value&gt;);</code> <code>isIterator(&lt;v&gt;);, isIterable(&lt;v&gt;);</code> <code>isPromise(&lt;value&gt;);</code> <code>isEmptyObject(&lt;value&gt;);</code> <code>isEmptyArray(&lt;value&gt;);</code> <code>isEmptyMap(&lt;value&gt;);</code> <code>isEmptySet(&lt;value&gt;);</code> <code>isEmptyIterator(&lt;value&gt;);</code> <code>isSameObject(&lt;object1&gt;,&lt;object2&gt;);</code> <code>isSameArray(&lt;array1&gt;,&lt;array2&gt;);</code> <code>isSameMap(&lt;map1&gt;,&lt;map2&gt;);</code> <code>isSameSet(&lt;set1&gt;,&lt;set2&gt;);</code> <code>isSameIterator(&lt;iter1&gt;,&lt;iter2&gt;);</code>
AJAX and CORS		
<code>ajax(&lt;Options object&gt;);, getJson(&lt;url&gt;,&lt;success&gt;);, getText(&lt;url&gt;,&lt;success&gt;);</code> <b>Options object properties (* = default value):</b> <code>url: string, dataType: *"ajax"/"cors", type: *"get"/"post", success: function, error: function, format: *"text"/"json"/"xml", user: string, password: string</code>		

Collections		Polyfills
arrayMerge ([flat=false,]<target>,<src1>[,srN]); arrayUnique (<collection>); arrayAdd (<array>,<value>); arrayClear (<array>); arrayRemove (<array>,<value>[,all=false]); arrayRemoveBy (<array>,<callback>[,all=false]); arrayRange ([start=0[,end=100[,step=1]]]); arrayCycle (<collection>[,n=100]); arrayRepeat (<value>[,n=100]); iterRange ([start=0[,step=1[,end=Infinity]]]); iterCycle (<iter>[,n=Infinity]); iterRepeat (<value>[,n=Infinity]); arrayUnion (<collection1>[,collectionN]); arrayIntersection (<collection1>,<collection2>); arrayDifference (<collection1>,<collection2>); arraySymmetricDifference (<collec1>,<collec2>); setUnion (<collection1>[,collectionN]); setIntersection (<set1>,<set2>); setDifference (<set1>,<set2>); setSymmetricDifference (<set1>,<set2>); isSuperset (<superCollection>,<subCollection>);  slice (<collection>[,begin=0[,end=Infinity]]); without (<collection>,<filterCollection>); reduce (<collection>,<callback>[,initialvalue]); shuffle (<collection>); take (<collection>[,n=1]); takeWhile (<collection>,<callback>); takeRight (<collection>[,n=1]); takeRightWhile (<collection>,<callback>); drop (<collection>[,n=1]); dropWhile (<collection>,<callback>); dropRight (<collection>[,n=1]); dropRightWhile (<collection>,<callback>);	forEach (<collection>,<callback>); map (<collection>,<callback>); enumerate (<collection>[,offset=0]); entries (<collection>[,offset=0]); size (<collection>); every (<collection>,<callback>); some (<collection>,<callback>); none (<collection>,<callback>); includes (<collection>,<value>); contains (<collection>,<value>); find (<collection>,<callback>); findLast (<collection>,<callback>); filter (<collection>,<callback>); reject (<collection>,<callback>); partition (<collection>,<callback>); groupBy (<collection>,<callback>);  min (<value1>[,valueN]); max (<value1>[,valueN]); sort (<collection>[,numbers=false]); reverse (<collection>); zip (<collection1>[,collectionN]); unzip (<collection>); zipObj (<collection1>,<collection2>); item (<collection>,<index>); nth (<collection>,<index>); first (<collection>); head (<collection>); last (<collection>); initial (<collection>); tail (<collection>); flat (<collection>); concat (<collection1>[,collectionN]); join (<collection>[,separator=","]);	Array.prototype.at (); Array.prototype.findLast (); Array.prototype.findLastIndex (); Array.prototype.flat (); + .flatMap (); crypto.randomUUID (); globalThis; Object.hasOwn (); and .fromEntries (); String.prototype.at (); String.prototype.matchAll (); String.prototype.padStart (); String.prototype.padEnd (); String.prototype.replaceAll (); String.prototype.trimStart (); String.prototype.trimLeft (); String.prototype.trimEnd (); String.prototype.trimRight (); TypedArray.prototype.at (); TypedArray.prototype.findLast (); TypedArray.prototype.findLastIndex ();
		Non-standard polyfills
		BigInt.prototype.toJSON (); window.AsyncFunction (); window.GeneratorFunction ();
		Abstract functions
		hasIn (<obj>,<prop>); getIn (<o>,<pr>); setIn (<object>,<property>,<value>); isPropertyKey (<v>); and isIndex (<v>); toPropertyKey (<v>); and toIndex (<v>); toInteger (<value>); toObject (<value>); and type (<value>); isSameValueZero (<value1>,<value2>); createMethodProperty (<obj>,<pr>,<v>);
Cookie		
getCookie ([name]);, hasCookie (<name>);, setCookie (<name>,<value>[,hours=8760[,path="/"[,domain[,secure[,SameSite="Lax"[,HttpOnly]]]]]]);, setCookie (<Optionsobj>); removeCookie (<name>[,path="/"[,domain[,secure[,SameSite="Lax"[,HttpOnly]]]]]);, removeCookie (<Options object>);, clearCookies ([path="/"[,domain[,sec[,SameSite="Lax"[,HttpOnly]]]]]);, clearCookies (<Options object>);		