

HTML

```
<!DOCTYPE html> <html lang="es">
<head> <meta charset="UTF-8"> <meta http-equiv="X-UA-Compatible" content="IE=edge"> <meta
  name="viewport" content="width=device-width, initial-scale=1.0"> <link rel="stylesheet"
  href="/css/style.css" /> <link rel="shortcut icon" href="/favicon.ico" type="image/ico" />
  <title>Document</title> </head>
<body> <!--comentario--> </body> </html>
C.ESPECIALES HTML: < &lt; > &gt; & &amp; _ &nbsp; " &quot; ' &apos; URL: ' %60 _ %20 ~ %7E # %23
ELEMENTOS DE BLOQUE: <address> <article> <aside> <blockquote> <canvas> <dd> <div> <dl> <dt>
  <fieldset> <figcaption> <figure> <footer> <form> <h1>-<h6> <header> <hr> <li> <main> <nav> <ol>
  <p class="especial destacado" id="primero"> <pre> <section> <table> <tfoot> <ul> <video>
ELEMENTOS DE LINEA: <a> <abbr> <acronym> <b> <big> <br> <button> <cite> <code> <dfn> <em> <i> <img>
  <input> <label> <map> <object> <output> <q> <script> <select> <small> <span> <strong> <sub> <sup>
  <textarea> <time> <tt> <var>
<table> <caption> <colgroup> <col> <thead> <tbody> <tfoot> <tr> <th scope="row"> <td rowspan="2">
<a href = "#first"> <a href = "https://www.w3schools.com/" target="_blank"> <a href =
  "https://www.w3schools.com/recurso.pdf" download> <a href = "/" target = "_self"> <a href =
  "mailto:nombre@direccion.com?subject=solicitud"> <a href = "ftp://ftp.ejemplo.com/ruta/archivo.zip"
  title="Archivo comprimido de los contenidos">

<video width="320" height="240" controls><source src="movie.mp4" type="video/mp4"></video>
<audio controls><source src="horse.ogg" type="audio/ogg">Tu navegador no soporta </audio>
<form action="/registroUsuario.php" method="POST"> <fieldset> <legend> <label for="nombre">Nombre:
  </label> <input type = "button |checkbox |color |date |datetime-local |email |file |hidden |number
  |password |radio |range |reset |search |submit |tel |text |time |url" id="nombre" name="fnombre"
  required value="Enviar" placeholder="Nombre" pattern="^[1-9]{4}[A-Z]{3}$ minlength="3">
<script src = "https://www.ejemplo.com/js/ejemplo.js"></script>
  <script> window.onload = function() { alert("página cargada OK"); } </script>
```

CSS

```
<body><p style="color: purple; ">texto</p></body>
<head><style> p { color: black; font-family: Verdana; } </style></head>
<head><link rel="stylesheet" href="/css/estilos.css"/></head>
style.css /*comentarios*/ html{...;} h1 { color: red; font-size: 2em; font-family: Verdana; }
SELECTORES: html{} *{} h1,h2,h3{} .class{} #id p.destacado{} #id.class{}
  div p{} (descendientes) div>p{} (hijo directo) div+p{} (1er contiguo) [target="_blank"] (atributo)
  :active{} img:hover{} li:nth-child(even|4){} a:visited{} [type="text"]:valid{} :invalid{} :not{}
  :root{} #secreto:target{}
PSEUDOELEMENTOS: h1::before{} .heart::after{} p::first-line{} p::first-letter{}

display: inline-block;
margin: 0px;
padding: 20px 15%;
background-color: #CCEAF4;
color: #232323;
text-transform: uppercase;
text-align: right;
font-family:'Open Sans', sans-serif;
font-weight: 400;
font-style: italic;
font-size: 20px;
float: left;
overflow: hidden;
rotate: -15deg;

.card {
  /* Parent Layout */
  grid-area: card;

  /* Layout */
  display: grid;
```

```
align-items: center;
gap: 10px;
grid-template-areas:
  "header header"
  "content content";
grid-template-columns: 1fr 1fr;
grid-template-rows: 1fr 1fr;
justify-items: center;

/* Positioning */
position: absolute;
top: 0;
right: 0;
bottom: 0;
left: 0;
inset-inline-start: 0;
inset-inline-end: 0;
inset-inline: 0;
inset-block-start: 0;
inset-block-end: 0;
inset-block: 0;
z-index: 10;

/* Box Model */
box-sizing: border-box;
width: 100px;
height: 100px;
inline-size: 100px;
block-size: 100px;
margin: 10px;
padding: 10px;

/* Display */
background-color: red;
border: 10px solid green;
color: white;
font-family: sans-serif;
font-size: 16px;
text-align: center;
}
```

UNIDADES MEDIDA: 12px|0.5rem|0.7em|70%|50vw|30vh

COLOR: red|rgba(0,255,0,.5)|#ff0000|#f00|hsla(0,100,50,.5); opacity: .5;

MODELO DE CAJA: outline; margin:1px dashed red; width: 300px; height: 400px; box-sizing: border-box; margin-top: 3px; border: 3px solid|dotted|dashed|ridge|inset blue; padding: 1em;

border-top-left-radius: 50%; box-shadow: 4px 4px 4px grey inset (vert hori difum color);

FONT: font-family: "Syne Mono", "Times New Roman", serif; font-size: 16px|30%|1rem|2em; font-weight: lighter|800; font-style: normal|italic|oblique; font-variant: small-caps;

IMPORTAR FUENTES: <style>@import url('https://fonts...=swap');</style>

<link href="https://fonts.googleapis.com/css2?family=Syne+Mono&di splay=swap" rel="stylesheet">

ESPACIADO: vertical_align: baseline|sub|super|top|middle|bottom; line-height:15px; word-spacing: 4px; letter-spacing: -3px

TEXT: text-align: left|right|center|justify; text-justify: inter-word; text-decoration: overline|underline|line-through|none; text-transform: uppercase|lowercase|normal|capitalize; text-shadow: 2px 2px 5px blue;

DISPLAY: none (ocultar)|block (mostrar)|inline-block(convertir en elemento de línea);

FLOAT: left|right; overflow: hidden; clear: left|right|both;

TRANSFORM: translate(200px 100px)|rotate(45deg)|scale(50%)|skew(30%);

POSITION: relative|absolute|fixed|sticky; (offset) top|bottom|left|right: 50px; z-index: 30

FLEX-BOX: div { display: flex|inline-flex; flex-direction: column; flex-wrap: wrap; flex-flow: row-reverse wrap; (main axis) justify-content: center|flex-start|flex-end|space-between|space-around|space-evenly; (cross axis) align-items: center|initial|stretch|flex-start|flex-end|baseline|space-around|space-between; flex-grow: 4; flex-shrink: 2; flex-basis: 1; flex: 1 1 calc(100% / 3); order: -1 }

CENT.ABS: div { display: flex; justify-content: center; align-items: center; }

GRID: div { display: grid; grid-template-columns|grid-template-rows: 60% 40%|1fr 1fr

```

1fr|repeat(4,calc(25%-10px))|repeat(4,auto)|repeat(3,1fr); grid-column|grid-row: 1/3|1/span 2;
grid-gap: 10px; grid-template-areas: 'h h h''n n n''m m a''f f f'; grid area: m; }
BACKGROUND: background-color: rgba(255,0,0,.5); background-image: url("/images/squirrel.jpeg")|
linear-gradient(blue, white)|linear-gradient(to bottom, red, blue, white)|radial-gradient(grey
white blue); background-repeat: repeat|no-repeat|repeat-x|repeat-y; background-position:
left|center|right|10% top|center|bottom|300px; background-size: 480px|cover; background-clip:
content-box|padding-box|border-box; background-attachment: fixed|local|scroll; }
ANIMATION: div { animation: miAnimacion 3s infinite alternate ease-in-out; animation-play-state:
paused|running; } @keyframes miAnimacion { from{top:0px;}to{top:300px;}|
0%{scale:1;rotate:0deg;}50%{scale:1.5;}100%{scale:1;rotate:-80deg;} } }
RESPONSIVE WEB DESIGN RWD: @media only screen and (max-width:600px|min-width:600px) {...}

```

XML

```

<?xml version="1.0" encoding="UTF-8"?>
<?xml-stylesheet href="plantilla.xml" type="text/xsl"?>
<!-- etiqueta contenido elemento rama hojas atributos -->
<biblioteca> <libro tipo="novela"> <titulo> Titulo </titulo> <isbn> <![CDATA[esp<>&'']]>
</isbn> </libro> <libro /> </biblioteca>

```

XSLT

```

<?xml version="1.0" encoding="UTF-8"?>
<xsl:stylesheet xmlns:xsl="http://www.w3.org/1999/XSL/Transform" version="1.0">
<xsl:strip-space elements="*" /> <xsl:text>&#10; </xsl:text>
<xsl:template match="/"> <html> <h1> Titulo </h1> <xsl:apply-templates /> </html> </xsl:template>
<xsl:value-of select="titulo"|"biblioteca/libro/titulo"|"."|"@año" />
<img> <xsl:attribute name="src"> <xsl:value-of select="imagen" /> </xsl:attribute> </img>
<xsl:for-each select="catalog/cd[artist !=|&lt;|&gt; 'Bob Dylan']">
  <xsl:sort select="artist" order="descending|ascending data-type="text|number|qname" />
  <xsl:if test="price !=|&lt;|&gt; 10"><td bgcolor="#ff00ff">...</td></xsl:if>
  <xsl:choose><xsl:when test="price > 10"><td>...</td></xsl:when>
    <xsl:otherwise><td>...</td></xsl:otherwise></xsl:choose> </xsl:for-each> </xsl:stylesheet>

```

JSON

```

{ "nombre" : "string|int|float|objJSON{,}|matriz[,]|bool|null" } , { : }
<!DOCTYPE html><html><body><p id="demo"></p> <script> var json_arr = ["Pedro","Juan"];
var json_txt = '{"nombre":"Pedro","edad":30}'|JSON.stringify(json_obj|json_arr);
var json_obj = {nombre:"Pedro",edad: 30}|JSON.parse(json_txt)|JSON.parse(this.responseText);
document.getElementById("demo").innerHTML += json_obj.nombre|json_obj["nombre"];
var json_req = new XMLHttpRequest(); json_req.open("GET", "json/json_txt.json"|
"https://pokeapi.co/api/v2/pokemon/ditto", true); json_req.send();
json_req.onreadystatechange = function() { if (this.readyState == 4 && this.status == 200) {...};
for (dato in json_obj) { document.getElementById("demo").innerHTML += dato|json_obj[dato]; }
for (i in json_obj.coches)|(i = 0; i<json_obj.coches.length; i++) { x += json_obj.coches[i]; }
json_obj.coches.coche2|json_obj.coches["coche2"] = "Mercedes"; delete json_obj.coches.coche2;
</script> </body> </html>

```