

URL: <https://mirarj.github.io/CS20/Assignment4/>

HTML/JS code:

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<!-- CS20 Assignment 4 HTML file-->

<!DOCTYPE html>
<html>

<head>
  <meta http-equiv="Content-Type" content="text/html; charset=UTF-8" />
  <meta name='viewport' content='width=device-width, initial-scale=1'/>

  <title>CS20 Assignment 4</title>
  <link rel='stylesheet' href='./style.css' />
</head>

<body>
  <script>

    function dollarsDisplay(dollars)
    {
      dollars = dollars + "";
      d = dollars.split('.');
      if (d.length == 1) // already whole number
      {
        d_dec = "00";
      }
      else if (d.length == 2)
      {
        d_dec = d[1]
        if (d_dec.length > 2)
        {
          extra = d_dec.substr(2, d_dec.length-2); // everything after
2nd decimal place
          cutoff = 10 ** (d_dec.length-2)/2; // 50 if 2 extra decimal
places, 500 if 3, 5000 if 4, etc
          if (extra<cutoff)
          {
            d_dec = d[1].substr(0,2);

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        }
        else
        {
            dollars = ((parseFloat(dollars) + 0.01) + "")
            d = dollars.split('.');
            d_dec = d[1].substr(0,2)
        }
    }
    if (d_dec.length == 0)
    {
        d_dec = "00";
    }
    if (d_dec.length == 1)
    {
        d_dec = d_dec + "0";
    }

}
else
{
    throw new Error("dollarsDisplay only takes in numbers");
}

return "$" + d[0] + "." + d_dec;
}

hotdogs = parseInt(prompt("How many hotdogs do you want?"));
while (isNaN(hotdogs))
{
    hotdogs = parseInt(prompt("Please enter a number.\nHow many hotdogs
do you want?", "0"));
}
fries = parseInt(prompt("How many fries do you want?"));
while (isNaN(fries))
{
    fries = parseInt(prompt("Please enter a number.\nHow many fries do
you want?", "0"));
}
sodas = parseInt(prompt("How many sodas do you want?"));

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while (isNaN(sodas))
{
    sodas = parseInt(prompt("Please enter a number.\nHow many sodas do
you want?", "0"));
}

hotdogs_cost = 4 * hotdogs;
fries_cost = 3.5 * fries;
sodas_cost = 1.75 * sodas;

subtotal = hotdogs_cost + fries_cost + sodas_cost;

if (subtotal>20)
{
    discounted = 0.1 * subtotal;
    subtotal = subtotal - discounted;
}
else
{
    discounted = 0;
}

tax = 0.0625 * subtotal;
total = subtotal + tax;

</script>

<h1>
    Order Details
</h1>

<p id="hotdogs"></p>
<p id="fries"></p>
<p id="sodas"></p>
<hr />
<p id="discount"></p>
<hr />
<p id="subtotal">
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    <span class='item'>Subtotal</span>
    <span class='dots'></span>
    <span class='price' id="subtotal_price"></span>
</p>
<p id="tax">
    <span class='item'>Tax</span>
    <span class='dots'></span>
    <span class='price' id="tax_price"></span>
</p>
<hr />
<p id="total">
    <span class='item'>Total</span>
    <span class='dots'></span>
    <span class='price' id="total_price"></span>
</p>

<script>
    if (hotdogs > 0)
    {
        document.getElementById("hotdogs").innerHTML = "<span
class='item'>Hotdogs (" + hotdogs + ") </span>\n" +
                                                    "<span
class='dots'></span>\n" +
                                                    "<span
class='price'>" + dollarsDisplay(hotdogs_cost) + "</span>";
    }

    if (fries > 0)
    {
        document.getElementById("fries").innerHTML = "<span
class='item'>Fries (" + fries + ") </span>" +
                                                    "<span
class='dots'></span>" +
                                                    "<span
class='price'>" + dollarsDisplay(fries_cost) + "</span>";
    }

    if (sodas > 0)
    {

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        document.getElementById("sodas").innerHTML = "<span
class='item'>Sodas (" + sodas + ") </span>" +
                                                    "<span
class='dots'></span>" +
                                                    "<span
class='price'>" + dollarsDisplay(sodas_cost) + "</span>";
    }
    if (discounted > 0)
    {
        document.getElementById("discount").innerHTML = "<span
class='item'>Discount </span>" +
                                                    "<span
class='dots'></span>" +
                                                    "<span
class='price'>- " + dollarsDisplay(discounted) + "</span>";
    }
    document.getElementById("subtotal_price").innerHTML =
dollarsDisplay(subtotal);
    document.getElementById("tax_price").innerHTML = dollarsDisplay(tax);
    document.getElementById("total_price").innerHTML = dollarsDisplay(total);
</script>

</body>
</html>

```

CSS code:

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p {display: flex; max-width: 600px;}
.item {display: inline-block;}
.dots {display: inline-block; margin-left: 0.5em; margin-right: 0.5em;
flex-grow: 5 ; border-bottom: 2px dotted rgb(0, 0, 0)}
.price {display: inline-block;}

```