<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"

"http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">

<!--

IT 207 DL2

Kyoungjin Yoon

Lab practicum 1

Final

-->

<html xmlns="http://www.w3.org/1999/xhtml">

<head>

<title>Lab Practicum 1</title>

<link rel="stylesheet" href="Style.css" type="text/css"/>

</head>

<body>

<div class="leftNavigation">

<?php readfile("menu.inc") ?>

</div>

<div class = "instructorName">

<?php readfile("instructorName.php") ?>

</div>

<div class = "studentName">

<?php

include 'studentName.php';

?>

</div>

<div class="content">

<div class = "couponResultTitle">Midway Coupon Distributor</div>

<div class = "couponResultForm">

<?php

$coupon = $\_POST['coupon'];

/\*

Candy Bar: 10 coupons

Gumball: 3 coupons

\*/

define ("candyBarQuantity", 10);

define ("grumballQuantity", 3);

define ("circle", "o");

function divideCandyBar($coupon) {

$candyBarDividend = ($coupon % candyBarQuantity);

return $candyBarDividend;

}

function getCandybar ($coupon) {

$quantity = (int)($coupon/candyBarQuantity);

return $quantity;

}

function divideGrunball ($coupon) {

$gumballDividend = ($coupon % grumballQuantity);

return $gumballDividend;

}

function printCandybar($coupon) {

$candybar = "";

$candybarQuotient = (int)($coupon/candyBarQuantity);

for($i = 0; $i < $candybarQuotient; ++$i) {

$candybar .= circle;

}

return $candybar;

}

function printGumball($coupon) {

$gumball = "";

$gumballQuotient = (int)($coupon/grumballQuantity);

for($i = 0; $i < $gumballQuotient; ++$i) {

$gumball .= circle;

}

return $gumball;

}

function printGumballRemaining($gumballDividend) {

$gumballRemaining = (int)($gumballDividend/grumballQuantity);

return $gumballRemaining;

}

function printCouponQuantity($gumball) {

$couponQuantity = "";

for($i = 0; $i < $gumball; ++$i) {

$couponQuantity .= circle;

}

return $couponQuantity;

}

$candyBarDividend = divideCandyBar($coupon);

$gumballDividend = divideGrunball($candyBarDividend);

$candybar = printCandybar($coupon);

$gumball = printGumball($candyBarDividend);

$gumballRemaining = printGumballRemaining($candyBarDividend);

$couponQuantity = printCouponQuantity($gumballDividend);

$candybarRemaining = getCandybar($coupon);

echo "</br>Your ", $coupon, " coupons can be redeemed for: </br>";

echo $candybarRemaining, " candy bars </br>",

"<a class = 'balls'>", $candybar, "</a></br>";

echo $gumballRemaining, " gumballs </br>",

"<a class = 'balls'>", $gumball, "</a></br>";

echo $gumballDividend, " left over coupons </br>",

"<a class = 'balls'>", $couponQuantity, "</a>";

echo "</div><div class = 'couponResultLegend'>Legend: Candy Bar = ", candyBarQuantity, " coupons| Gumball = ", grumballQuantity, " coupons</div>";

date\_default\_timezone\_set("EST");

echo "<p class = 'lastModified'>&nbsp;&nbsp;Last modified: ", date("H:i M d, Y T", getlastmod()),

" | <a href='index.php'>Return to form page</a></p>"

?>

</div>

<div class = "copyright">

<?php readfile("copyright.inc"); ?>

</div>

</body>

</html>