Name: Christopher Slavitt

Practicum 1

Part 1: <https://helios.vse.gmu.edu/~cslavitt/IT207/Practica/Prac1/Prac1.php>

Part 2: <https://helios.vse.gmu.edu/~cslavitt/IT207/Practica/Prac1/Prac1P2.php>

**Prac1.php:**

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

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

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

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

**<head>**

**<title>**

**Practicum 1**

**</title>**

**</head>**

**<body>**

**<?php**

**echo date("d F Y h:i:s ",getlastmod())**

**?>**

**<div id="outer-box">**

**<a href="/~cslavitt/IT207/Practica/Prac1/Prac1P2.php">Part 2</a>**

**<h3>Metabolic Equivalents Energy Expender</h3>**

**<form action="Prac1-2.php" method="post">**

**<div id="content">**

**Weight: <input type="text" name="weight"/> pounds<br/>**

**Time Running (at 6mph): <input type="text" name="runTime" /> minutes<br/>**

**Time Playing Basketball: <input type="text" name="ballTime" /> minutes<br/>**

**Time Sleeping: <input type="text" name="sleepTime" /> hours**

**<br/><br/>**

**</div>**

**<input type="submit" value="Calculate"></form>**

**</div>**

**</body>**

**Prac1-2.php:**

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

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

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

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

**<head>**

**<title>**

**Practicum 1-2**

**</title>**

**</head>**

**<body>**

**<?php**

**echo date("d F Y h:i:s ",getlastmod())**

**?>**

**<a href="/~cslavitt/IT207/Practica/Prac1/Prac1.php">Input Form Page</a><br/>**

**<a href="/~cslavitt/IT207/Practica/Prac1/Prac1P2.php">Part 2</a>**

**<?php**

**$weight = $\_POST["weight"] / 2.2;**

**$runTime = $\_POST["runTime"];**

**$ballTime = $\_POST["ballTime"];**

**$sleepTime = $\_POST["sleepTime"] \* 60;**

**function calcCals($x, $y, $z)**

**{**

**$caloriesPM = 0;**

**$calories = 0;**

**$caloriesPM = 0.0175 \* $z \* $y;**

**$calories = $caloriesPM \* $x;**

**return $calories;**

**}**

**function totalCals($x, $y, $z)**

**{**

**$totalCals = $x + $y + $z;**

**return $totalCals;**

**}**

**echo "<div id='outer-box'><h3>Metabolic Equivalents Energy Expender</h3><br/><div id='content'>For a 200 pound person, it is estimated that:<br/>", round(calcCals($runTime, $weight, 10)),**

**" calories were burned running<br/>", round(calcCals($ballTime, $weight, 8)), " calories were burned playing basketball<br/>", round(calcCals($sleepTime, $weight, 1)), " calories were burned sleeping</div>",**

**"<div style='text-align: right;'>Total Calories Burned: ", round(totalCals(calcCals($runTime, $weight, 10), calcCals($ballTime, $weight, 8), calcCals($sleepTime, $weight, 1)));**

**?>**

**</body>**

**Prac1P2.php:**

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

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

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

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

**<head>**

**<title>**

**Practicum 1**

**</title>**

**</head>**

**<body>**

**<?php**

**echo date("d F Y h:i:s ",getlastmod())**

**?>**

**<div id="outer-box">**

**<a href="/~cslavitt/IT207/Practica/Prac1/Prac1.php">Part 1</a>**

**<h3>Midway Coupon Distribution</h3>**

**<form action="Prac1P2-2.php" method="post">**

**<div id="content">**

**Total Number of Coupons: <input type="text" name="coupons"/>**

**<br/><br/>**

**</div>**

**<input type="submit" value="Calculate"></form>**

**</div>**

**</body>**

**Prac1P2-2.php:**

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

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

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

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

**<head>**

**<title>**

**Practicum 1-2**

**</title>**

**</head>**

**<body>**

**<?php**

**echo date("d F Y h:i:s ",getlastmod())**

**?>**

**<a href="/~cslavitt/IT207/Practica/Prac1/Prac1P2.php">Input Form Page</a><br/>**

**<a href="/~cslavitt/IT207/Practica/Prac1/Prac1.php">Part 1</a>**

**<?php**

**$coupons = $\_POST["coupons"];**

**$numOfBars = 0;**

**$numOfGum = 0;**

**$remainder = 0;**

**$barString = "";**

**$gumString = "";**

**$remString = "";**

**function prizeCounter($numOfCoup, $coupPrice)**

**{**

**if ($numOfCoup > $coupPrice)**

**{**

**$numOfPrizes = $numOfCoup / $coupPrice;**

**}**

**return $numOfPrizes;**

**}**

**while ($coupons >= 3)**

**{**

**if ($coupons >= 12)**

**{**

**$numOfBars = round(prizeCounter($coupons, 12));**

**$coupons = $coupons % 12;**

**}**

**else if ($coupons >= 3)**

**{**

**$numOfGum = round(prizeCounter($coupons, 3));**

**$coupons = $coupons % 3;**

**}**

**}**

**$remainder = round(prizeCounter($coupons, 1));**

**for ($i = 0; $i < $numOfBars; $i++)**

**{**

**$barString .= "O";**

**}**

**for ($i = 0; $i < $numOfGum; $i++)**

**{**

**$gumString .= "O";**

**}**

**for ($i = 0; $i < $remainder; $i++)**

**{**

**$remString .= "O";**

**}**

**echo "<div id='outer-box'><h3>Coupon Distribution Results</h3><div id='content'>For ", $\_POST['coupons'], " you can get:<br/>", $numOfBars, " candy bars<br/><div id='counter'>", $barString,**

**"</div><br/>", $numOfGum, " gumballs<br/><div id='counter'>", $gumString, "</div><br/>", $remainder, " coupon(s) left over<br/><div id='counter'>", $remString, "</div></div><div style='text-align: right;'>Legend: Candy Bar = 10 | Gumball = 3";**

**?>**

**</body>**

**Styles.css:**

**body**

**{**

**font-family: sans-serif;**

**font-size: 20px;**

**font-weight: normal;**

**}**

**#outer-box**

**{**

**display: flex;**

**background-color: lightgray;**

**flex-direction: column;**

**}**

**#content**

**{**

**width: 100%;**

**background-color: lightblue;**

**}**

**#counter**

**{**

**color: white;**

**}**