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| **Program:** | CPE III | **Section:** | A361 |

**Intended Learning Outcomes:**

1. Write a PHP script.
2. Use variables and constants, expressions, and control structures in PHP.

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| Write a for loop that displays a table with the 12 Chinese Zodiac signs as column headers, and with the years displayed below the appropriate column heading. The table must begin with the year 1912 and end with the current year (2021).  Use an array to store and display a picture of the appropriate sign below the text header in each column. Save the images as .jpg files and include them in the images folder inside your PHP project folder. The output must be styled in any corresponding manner using an external CSS stylesheet which will be embedded in the program through the link tag.  Here is a sample output: |

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**HTML with PHP Source Code:**

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| <!DOCTYPE html>  <html lang="en">  <head>  <meta charset="UTF-8">  <meta name="viewport" content="width=device-width, initial-scale=1.0">  <link rel="stylesheet" href="zodiac\_styles.css">  <title>Chinese Zodiac</title>  <link rel="icon" type="image/png" href="img/dragon.png">  </head>  <body>  <div class="container">  <header>  <h1>CHINESE ZODIAC for loop</h1>  </header>  <table>  <tr>  <?php  // Chinese Zodiac signs  $zodiacSigns = array("Rat", "Ox", "Tiger", "Rabbit", "Dragon", "Snake", "Horse", "Goat", "Monkey", "Rooster", "Dog", "Pig");  // Corresponding images for each sign  $zodiacImages = array(  "img/rat.png",  "img/ox.png",  "img/tiger.png",  "img/rabbit.png",  "img/dragon.png",  "img/snake.png",  "img/horse.png",  "img/goat.png",  "img/monkey.png",  "img/rooster.png",  "img/dog.png",  "img/pig.png"  );  // Loop through each sign to create column headers with images  foreach ($zodiacSigns as $index => $sign) {  echo "<th>$sign<br><img src=\"{$zodiacImages[$index]}\" alt=\"$sign\"></th>";  }  ?>  </tr>    <?php  // Start year and end year  $startYear = 1912;  $endYear = date("Y"); // Current year  // Loop through each year to create rows  for ($year = $startYear; $year <= $endYear; $year++) {  echo "<tr>";    // Loop through each sign to create cells  foreach ($zodiacSigns as $index => $sign) {  echo "<td>$year</td>";  $year++;  if ($year > $endYear) {  break 2; // Break out of both inner and outer loops  }  }    echo "</tr>";  $year --;  }  ?>  </table>  </div>  </body>  </html> |

**CSS Source Code:**

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| \*{  margin:0;  padding: 0;  }  body {  font-family: Arial, sans-serif;  margin: 0;  padding: 0;  display: flex;  align-items: center;  justify-content: center;  height: 100vh;  background-image: url('img/china 2.webp'); /\* Replace 'your-background-image.jpg' with the actual path to your image \*/  background-size: cover; /\* Cover the entire viewport \*/  background-position: center; /\* Center the background image \*/  background-repeat: no-repeat; /\* Do not repeat the background image \*/  }  .container {  max-width: 80%;  text-align: center;  border: 10px solid goldenrod;  }  header{  background-color: #e00909;  padding: 20px;  margin-bottom: 0;  }  h1 {  color: #ffde59;  text-align: center;  }  table {  width: 100%;  border-collapse: collapse;  margin-top: 0;  background-color: wheat;  }  th, td {  padding: 10px;  border: 2px solid #ddd;  text-align: center;  background-color: wheat;  }  th {  background-color: #e00909;  color: white;  margin-top: 0;  } |

**Output**

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| **output** |

**Findings and Observations:**

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| In the guided experiments, I acquired the skill of running local host websites using Xampp and PHP. It is complemented by additional insights from online tutorials on running PHP efficiently without file transfers by utilizing .bat files. Despite the initial challenges posed by the unfamiliarity of PHP as a language, my proficiency grew as I combined it with existing HTML and CSS knowledge to design and overcome hurdles.   The coding exercise, focusing on PHP arrays and functions, proved to be a rewarding challenge. After investing around five hours, I successfully crafted a PHP script. The script utilized arrays to dynamically display a table featuring the 12 Chinese Zodiac signs as column headers, accompanied by the respective years. Each column further incorporated images stored in an array and styled using an external CSS stylesheet. The visual appeal of the output was enhanced through meticulous CSS styling, contributing to a well-presented final result. |