**LAPORAN TUGAS**

**PEMROGRAMAN WEB**

**PEKAN 4 : PHP – PENGENALAN DASAR**



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**PROGRAM STUDI INFORMATIKA**

**FAKULTAS KOMUNIKASI DAN INFORMATIKA**

**UNIVERSITAS MUHAMMADIYAH SURAKARTA**

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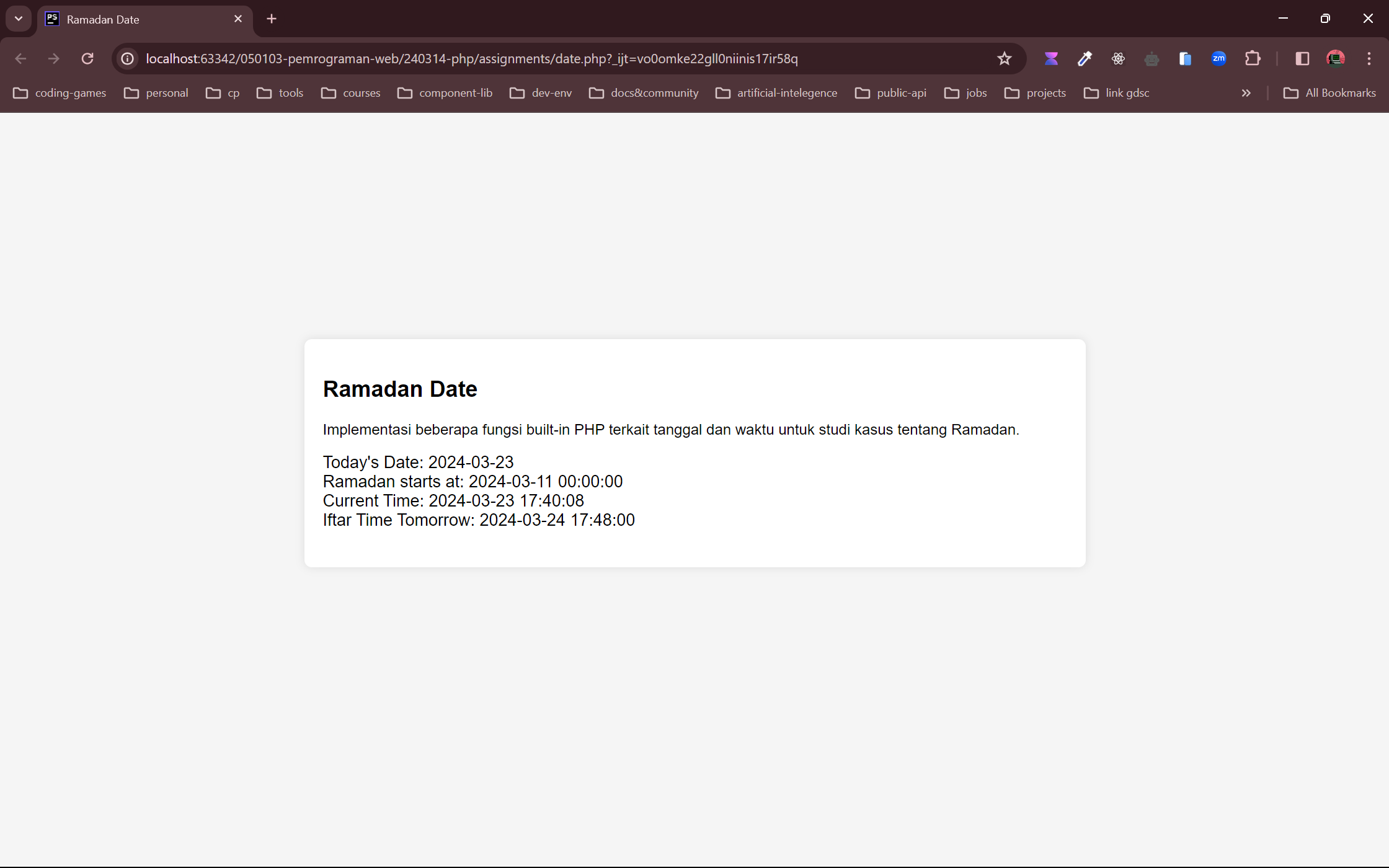
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# **PHP implementasi fungsi built-in date (date.php)**

## **Kode**

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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">  <title>Ramadan Date</title>  <link rel="stylesheet" href="css/style.css"> </head> <body>  <div class="container">  <h2>Ramadan Date</h2>  <p>Implementasi beberapa fungsi built-in PHP terkait tanggal dan waktu untuk studi kasus tentang Ramadan.</p>   <div class="info">  <?php  *// Mendapatkan tanggal hari ini*  $today\_date = date('Y-m-d');  echo "Today's Date: $today\_date <br>";   *// Membuat waktu untuk pukul 00:00:00 pada tanggal 1 Ramadan 2024*  $ramadan\_start = mktime(00, 00, 0, 3, 11, 2024);  echo "Ramadan starts at: " . date('Y-m-d H:i:s', $ramadan\_start) . "<br>";   *// Mendapatkan waktu saat ini*  $current\_time = time();  echo "Current Time: " . date('Y-m-d H:i:s', $current\_time) . "<br>";   *// Mengonversi string waktu ke timestamp dengan*  $iftar\_time = strtotime('tomorrow 17:48:00');  echo "Iftar Time Tomorrow: " . date('Y-m-d H:i:s', $iftar\_time) . "<br>";  ?>  </div> </div>  </body> </html> |

## **Hasil**

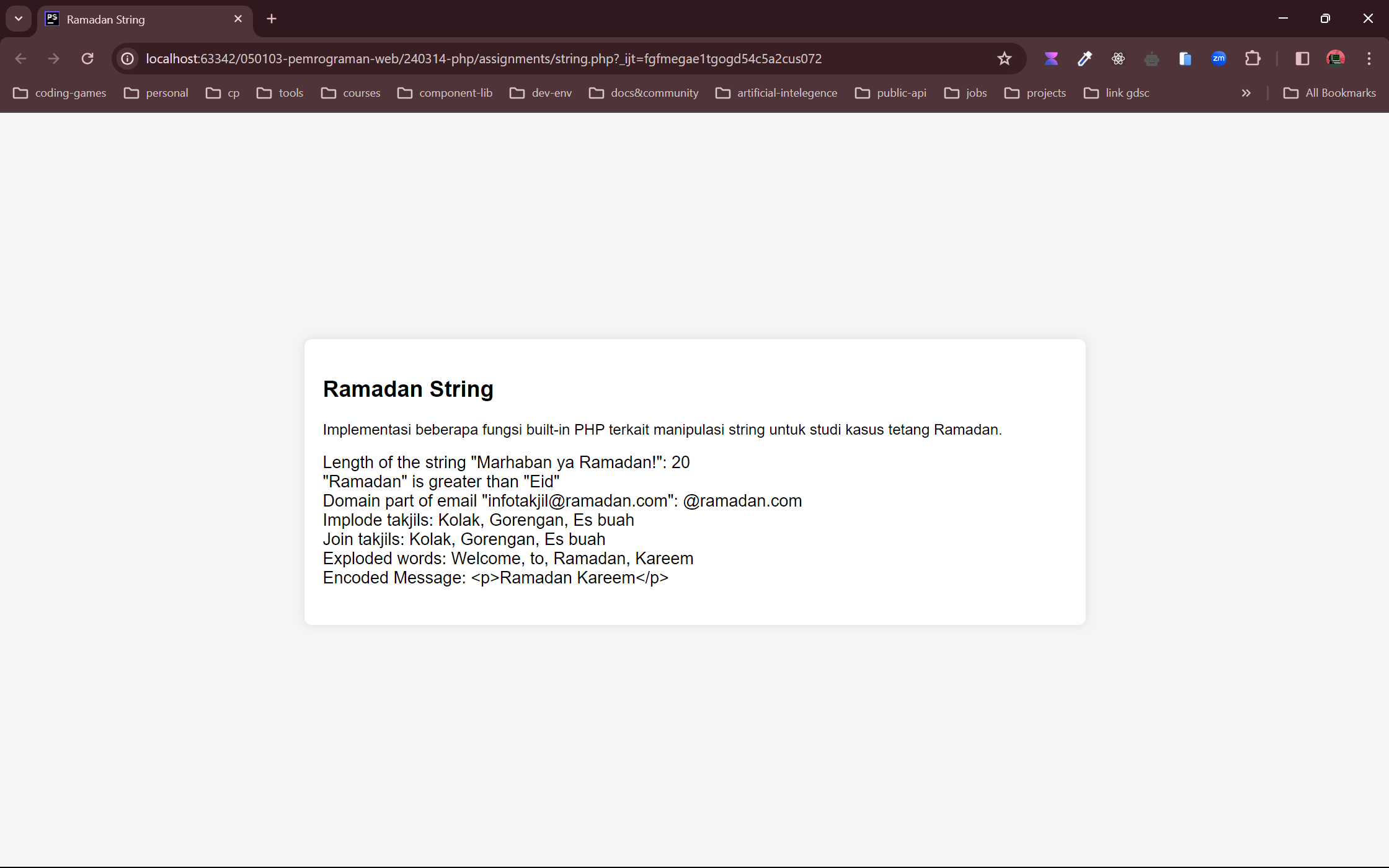


# **PHP implementasi fungsi built-in string (string.php)**

## **Kode**

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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">  <title>Ramadan String</title>  <link rel="stylesheet" href="css/style.css"> </head> <body>  <div class="container">  <h2>Ramadan String</h2>  <p>Implementasi beberapa fungsi built-in PHP terkait manipulasi string untuk studi kasus tetang Ramadan.</p>   <div class="info">  <?php  *// Mengambil panjang dari string*  $message = "Marhaban ya Ramadan!";  echo "Length of the string \"$message\": " . strlen($message) . "<br>";   *// Membandingkan dua string*  $ramadan = "Ramadan";  $eid = "Eid";  $comparison = strcmp($ramadan, $eid);  if ($comparison == 0) {  echo "\"$ramadan\" is equal to \"$eid\"<br>";  } elseif ($comparison > 0) {  echo "\"$ramadan\" is greater than \"$eid\"<br>";  } else {  echo "\"$ramadan\" is less than \"$eid\"<br>";  }   *// Mencari kemunculan pertama dari sebuah string dalam string lain*  $email = "infotakjil@ramadan.com";  $domain = strstr($email, '@');  echo "Domain part of email \"$email\": $domain<br>";   *// Menggabungkan elemen-elemen array dengan sebuah string*  $takjils = array("Kolak", "Gorengan", "Es buah");  $takjils\_implode = implode(", ", $takjils);  $takjils\_join = join(", ", $takjils);  echo "Implode takjils: $takjils\_implode<br>";  echo "Join takjils: $takjils\_join<br>";   *// Membagi sebuah string menjadi array berdasarkan string pemisah*  $sentence = "Welcome to Ramadan Kareem";  $words = explode(" ", $sentence);  echo "Exploded words: " . implode(", ", $words) . "<br>";   *// Mengonversi karakter-karakter khusus ke bentuk entitas HTML*  $html\_message = "<p>Ramadan Kareem</p>";  $encoded\_message = htmlspecialchars($html\_message);  echo "Encoded Message: $encoded\_message<br>";  ?>  </div> </div>  </body> </html> |

## **Hasil**

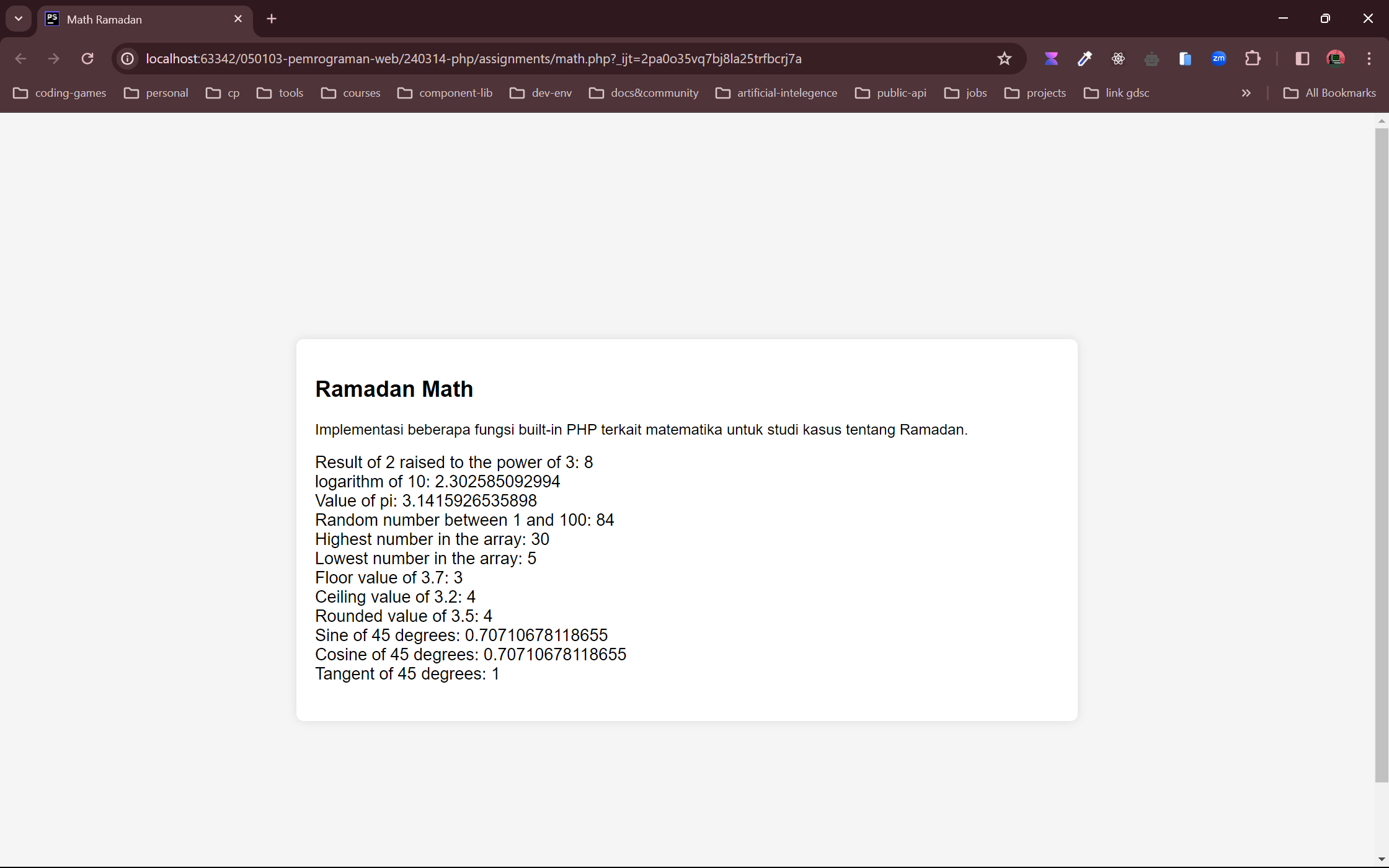


# **PHP implementasi fungsi built-in date (date.php)**

## **Kode**

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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">  <title>Math</title>  <link rel="stylesheet" href="css/style.css"> </head> <body>  <div class="container">  <h2>Ramadan Math</h2>  <p>Implementasi beberapa fungsi built-in PHP terkait matematika untuk studi kasus tentang Ramadan.</p>   <div class="info">  <?php  *# Mempangkat bilangan ke pangkat tertentu*  $base = 2;  $exponent = 3;  $result\_pow = pow($base, $exponent);  echo "Result of $base raised to the power of $exponent: $result\_pow<br>";   *// Menghitung logaritma dari bilangan*  $number = 10;  $number\_log = log($number);  echo "logarithm of $number: $number\_log<br>";   *// Mendapatkan nilai π (pi)*  $pi\_value = pi();  echo "Value of pi: $pi\_value<br>";   *// Menghasilkan bilangan bulat acak*  $random\_number = rand(1, 100);  echo "Random number between 1 and 100: $random\_number<br>";   *// Mencari nilai tertinggi dari beberapa nilai*  $numbers = [10, 20, 5, 30];  $max\_number = max($numbers);  echo "Highest number in the array: $max\_number<br>";   *// Mencari nilai terendah dari beberapa nilai*  $min\_number = min($numbers);  echo "Lowest number in the array: $min\_number<br>";   *// Pembulatan ke bawah dari bilangan pecahan*  $number\_to\_floor = 3.7;  $result\_floor = floor($number\_to\_floor);  echo "Floor value of $number\_to\_floor: $result\_floor<br>";   *// Pembulatan ke atas dari bilangan pecahan*  $number\_to\_ceil = 3.2;  $result\_ceil = ceil($number\_to\_ceil);  echo "Ceiling value of $number\_to\_ceil: $result\_ceil<br>";   *// Pembulatan dari bilangan pecahan*  $number\_to\_round = 3.5;  $result\_round = round($number\_to\_round);  echo "Rounded value of $number\_to\_round: $result\_round<br>";   *// Fungsi trigonometri (sinus, kosinus, tangen)*  $hilal\_degrees = 45;  *// Mengubah derajat menjadi radian*  $hilal\_radians = deg2rad($hilal\_degrees);  $sin\_value = sin($hilal\_radians);  $cos\_value = cos($hilal\_radians);  $tan\_value = tan($hilal\_radians);  echo "Sine of $hilal\_degrees degrees: $sin\_value<br>";  echo "Cosine of $hilal\_degrees degrees: $cos\_value<br>";  echo "Tangent of $hilal\_degrees degrees: $tan\_value<br>";  ?>  </div>  </div>  </body> </html> |

## **Hasil**



# **PHP implementasi fungsi built-in date (date.php)**

## **Kode**

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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">  <title>Ramadan Utility</title>  <link rel="stylesheet" href="css/style.css"> </head> <body>  <div class="container">  <h2>Ramadan Utility</h2>  <p>Implementasi beberapa fungsi built-in PHP terkait utilitas untuk studi kasus tentang Ramadan.</p>   <div class="info">  <?php  *// Menghitung jumlah elemen dalam array*  $takjils = ["kolak", "pisang ijo", "tahu goreng", "es buah", "es kuwut"];  $count = count($takjils);  echo "Number of elements in the array: $count<br>";   *// Memeriksa apakah sebuah variabel sudah diatur dan tidak null*  $iftar = 18;  $fasting = null;  $message = "Its time to iftar!";  echo "Is iftar set and not null? " . (isset($iftar) ? "Yes" : "No") . "<br>";  echo "Is fasting set and not null? " . (isset($fasting) ? "Yes" : "No") . "<br>";  echo "Is message set and not null? " . (isset($message) ? "Yes" : "No") . "<br>";   *// Memeriksa apakah sebuah variabel kosong*  $activity = '';  $takjil = 0;  $friend = [];  $money = null;  $pray = True;  echo "Is activity empty? " . (empty($activity) ? "Yes" : "No") . "<br>";  echo "Is takjil empty? " . (empty($takjil) ? "Yes" : "No") . "<br>";  echo "Is friend empty? " . (empty($friend) ? "Yes" : "No") . "<br>";  echo "Is money empty? " . (empty($money) ? "Yes" : "No") . "<br>";  echo "Is pray empty? " . (empty($pray) ? "Yes" : "No") . "<br>";  ?>  </div>  </div> </body> </html> |

## **Hasil**

