

Appendix

The Back-end PHP source Code

PHP-code-1

```
<?php

// require_once("./scripts.php");
$gross = isset($_POST['gSalary']) ? $_POST['gSalary'] : 0;
$country = isset($_POST['countryCode']) ? $_POST['country'] : "CZ";

?>
<!DOCTYPE html>
```

PHP file - 1

PHP-code-2

```
<?php
function GetTaxes($gross, $country)
{
    $gross = isset($_POST['gSalary']) ? $_POST['gSalary'] : 0;
    $country = isset($_POST['countryCode']) ? $_POST['country'] : "CZ";

    // <!-- to get each country net salary -->
    if ($country == "CZ") {
        $tax_rate = 0.15;
        $income_tax = $tax_rate * $gross;
        $health_insurance = 0.045 * $gross;
        $social_insurance = 0.065 * $gross;
        // <!-- pension_benefit -->
        $tax_benefit = 2570;
        // <!-- benefit is in czk per month -->
        $net = $gross + $tax_benefit - $income_tax - $health_insurance - $social_insurance;
    } else if ($country == "DE") {
        $tax_rate = 0.14;
        $income_tax = $tax_rate * $gross;
        $net = $gross - $income_tax;
        // - $health_insurance - $pension - $unemployment_insurance;
    } else if ($country == "EG") {
        $tax_rate = 0.025;
        $income_tax = $tax_rate * $gross;
        $net = $gross - $income_tax;
    }
    return "for country code: " . $country . " & Gross salary: " . $gross . " Net salary is: " . $net;
}
?>
```

PHP file - 2

Front-End source Code

```
<form action="/" method="POST" class="formFields">
  <div class="fields" id="field_1-1">
    <label for="country">Country:</label>
    <br>
    <select id="country" name="country" class="field large">
      <option value="CZ">Czech Republic</option>
      <option value="DE">Germany</option>
      <option value="EG">Egypt</option>
    </select>
    <input type="hidden" id="countryCode" name="countryCode" value="<?php echo $country; ?>">
    <br>
  </div>
  <div class="fields" id="field_1-2">
    <label>Gross Salary</label>
    <div class="dfield">
      <input id="gSalary" name="gSalary" class="field large" type="text" value="<?php echo $gross; ?>">
      <span class="uh"></span>
    </div>
    <div class="clearer"></div>
  </div>
  <div class="fields" id="field_1-3">
    <input type="submit" value="Calculate" class="pbSubmit">
  </div>
</form>
<div class="fields" id="field_1-4">
  <label><?php echo "According to your input: " . GetTaxes($gross, $country) ?></label>
</div>
```

Front-end HTML file

References

- [Bri98] Britannica. *Taxation — Definition, Purpose, Importance, Types*. Oct. 1998. URL: <https://www.britannica.com/topic/taxation/Principles-of-taxation>.
- [F98] Neumark F. Fritz. *Taxation — Definition, Purpose, Importance, Types*. Oct. 1998. URL: <https://www.britannica.com:443/topic/taxation>.
- [MS98] Cox M.S. Maria. *Taxation — Definition, Purpose, Importance, Types*. Oct. 1998. URL: <https://www.britannica.com/topic/taxation>.
- [Wik01] Wikipedia contributors. *JavaScript*. Nov. 2001. URL: <https://en.wikipedia.org/wiki/JavaScript>.
- [P13] Krill P. Paul. *Believe the hype: PHP founder backs Facebook's HipHop technology*. Nov. 2013. URL: <https://www.infoworld.com/article/2609877/believe-the-hype--php-founder-backs-facebook-s-hiphop-technology.html>.
- [S14] Chand S. Smriti. *Taxation Types: Proportional, Progressive, Regressive and Digressive Taxes*. Feb. 2014. URL: <https://www.yourarticlelibrary.com/tax/taxation-types-proportional-progressive-regressive-and-digressive-taxes/26387>.
- [MLA17] Tatoğlu MLA Yılmaz Binhan Elif. "Crowding-Out Effect in the European Union and Candidate Country Turkey: Panel Causality Analysis." *Handbook of Research on Global Enterprise Operations and Opportunities*, edited by Mehdi Khosrow-Pour. Oct. 2017. URL: <https://doi.org/10.4018/978-1-5225-2245-4.ch012>.
- [T17] Varela T. Peter. *Brief: Progressive and Regressive Taxes*. Jan. 2017. URL: <https://www.austaxpolicy.com/what-are-progressive-and-regressive-taxes/>.
- [Okp19] Okpolicy. *Characteristics of an Effective Tax System*. Dec. 2019. URL: <https://okpolicy.org/resources/online-budget-guide/revenues/an-overview-of-our-tax-system/characteristics-of-an-effective-tax-system/>.
- [OCI20] OCI. *What Is a Database?* 2020. URL: <https://www.oracle.com/database/what-is-database/>.
- [W20a] IamExpat W. Media B.V. *German tax system Taxes in Germany*. 2020. URL: <https://www.iamexpat.de/expat-info/taxation-germany/german-tax-system>.

- [W20b] WINMEEN W. *Tax and its Importance Notes 7th Social Science*. Mar. 2020. URL: <https://www.winmeen.com/tax-and-its-importance-notes-7th-social-science/>.
- [Ann21] Vorobiova Anna. *SOFTWARE DEVELOPMENT LIFE CYCLE: NIX APPROACH TO SDLC*. Apr. 2021. URL: <https://nix-united.com/blog/software-development-life-cycle-nix-approach-to-sdlc/>.
- [Gee21] GeeksforGeeks. *How does CSS work under the hood ?* Dec. 2021. URL: <https://www.geeksforgeeks.org/how-does-css-work-under-the-hood/>.
- [S21] Simplilearn S. *What is PHP: The Best Guide to Understand its Concepts*. Sept. 2021. URL: <https://www.simplilearn.com/tutorials/php-tutorial/what-is-php>.
- [A22a] Accace A. *2022 Tax Deductions*. Jan. 2022. URL: <https://accace.com/tax-guideline-for-the-czech-republic/>.
- [A22b] Accace A. *Czech Republic. 2022 Tax Guideline for the Czech Republic*. Mar. 2022. URL: <https://accace.com/tax-guideline-for-the-czech-republic/>.
- [Dev22] Developer Mozilla. *JavaScript - MDN Web Docs Glossary colon; Definitions of Web-related terms — MDN*. Sept. 2022. URL: <https://developer.mozilla.org/en-US/docs/Glossary/JavaScript>.
- [E22] Stevens E. Emily. *What is HTML? A Beginner's Guide*. May 2022. URL: <https://careerfoundry.com/en/blog/web-development/what-is-html-a-beginners-guide/>.
- [F22a] Generali F. Future. *How to Calculate Income Tax on Salary with Example*. Sept. 2022. URL: <https://life.futuregenerali.in/life-insurance-made-simple/tax-hacks/blogs/how-to-calculate-income-tax-on-salary-with-example/>.
- [F22b] Generali F. Future. *Income from Salary: A Complete Guide on How to Calculate Income tax on Salary and Save Taxes*. Sept. 2022. URL: <https://life.futuregenerali.in/life-insurance-made-simple/tax-hacks/blogs/income-from-salary/>.
- [F22c] Generali F. Future. *Income from Salary: A Complete Guide on How to Calculate Income tax on Salary and Save Taxes*. Sept. 2022. URL: <https://life.futuregenerali.in/life-insurance-made-simple/tax-hacks/blogs/income-from-salary/>.
- [Gos22] Goseeko. *Unit 1 - Payment of Tax and Refund*. 2022. URL: <https://www.goseeko.com/reader/notes/university-of-mumbai-maharashtra/baf/accounting-and-finance/third-year/sem-6/taxation-paper-v-indirect-taxes-iii/unit-1-payment-of-tax-and-refunds>.

- [Inv22a] Investopedia. *HyperText Markup Language (HTML): What It Is, How It Works*. Nov. 2022. URL: <https://www.investopedia.com/terms/h/html.asp>.
- [Inv22b] Investopedia. *Regressive vs. Proportional vs. Progressive Taxes: What's the Difference?* May 2022. URL: <https://www.investopedia.com/ask/answers/042415/what-are-differences-between-regressive-proportional-and-progressive-taxes.asp>.
- [Inv22c] Investopedia. *Regressive vs. Proportional vs. Progressive Taxes: What's the Difference?* May 2022. URL: <https://www.investopedia.com/ask/answers/042415/what-are-differences-between-regressive-proportional-and-progressive-taxes.asp>.
- [Inv22d] Investopedia. *Regressive vs. Proportional vs. Progressive Taxes: What's the Difference?* May 2022. URL: <https://www.investopedia.com/ask/answers/042415/what-are-differences-between-regressive-proportional-and-progressive-taxes.asp>.
- [Inv22e] Investopedia. *Standard of Living Definition, How to Measure, Example*. May 2022. URL: <https://www.investopedia.com/terms/s/standard-of-living.asp>.
- [Inv22f] Investopedia. *Taxation Defined, With Justifications and Types of Taxes*. Apr. 2022. URL: <https://www.investopedia.com/terms/t/taxation.asp>.
- [Inv22g] Investopedia. *What Is Income Tax and How Are Different Types Calculated?* Nov. 2022. URL: <https://www.investopedia.com/terms/i/incometax.asp>.
- [Inv22h] Investopedia. *What Is Tax Relief?* July 2022. URL: <https://www.investopedia.com/terms/t/tax-relief.asp>.
- [Jav22] JavaTPoint. *How does JavaScript Work - javatpoint*. 2022. URL: <https://www.javatpoint.com/how-does-javascript-work>.
- [M22] Doyle M. Matt. *MySQL for Absolute Beginners*. July 2022. URL: <https://www.elated.com/mysql-for-absolute-beginners/>.
- [Man22] PHP Manual. *PHP: Preface - Manual*. 2022. URL: <https://www.php.net/manual/en/preface.php>.
- [N22] S.R.O. N. Neotax. *Tax classes (Steuerklassen) in Germany — NeoTax*. Sept. 2022. URL: <https://neotax.eu/en/blog/tax-classes-steuerklassen-in-germany>.
- [Nag22] Nagwa. *The Canons of Taxation*. 2022. URL: <https://www.nagwa.com/en/explainers/743168592465/>.
- [PwC22a] TaxSummaries PwC. *Czech Republic - Individual - Other taxes*. 2022. URL: <https://taxsummaries.pwc.com/czech-republic/individual/other-taxes>.

- [PwC22b] PwC network. *Egypt - Individual - Taxes on personal income*. June 2022. URL: <https://taxsummaries.pwc.com/egypt/individual/taxes-on-personal-income>.
- [R22] Shannon R. Ross. *What is HTML? — HyperText Markup Language explained*. 2022. URL: <https://www.yourhtmlsource.com/starthere/whatishtml.html>.
- [rio22] Expat rio. *German Tax System*. 2022. URL: <https://www.expatrio.com/living-germany/finance-germany/german-tax-system>.
- [Tax22a] World Wide Tax. *Germany Taxes, Germany Income Tax, Germany Tax Rates, Germany Economy, Germany business for enterpenures 2022*. 2022. URL: <https://www.worldwide-tax.com/germany/germany-taxes.asp>.
- [Tax22b] TaxFoundation. *The Three Basic Tax Types*. 2022. URL: <https://taxfoundation.org/tax-types>.
- [Tax22c] TaxFoundation. *The Three Basic Tax Types — TaxEDU*. 2022. URL: <https://taxfoundation.org/the-three-basic-tax-types/>.
- [Wik22a] Wikipedia contributors. *CSS*. Nov. 2022. URL: <https://en.wikipedia.org/wiki/CSS>.
- [Wik22b] Wikipedia contributors. *Document Object Model*. Nov. 2022. URL: https://en.wikipedia.org/wiki/Document_Object_Model.
- [Wik22c] Wikipedia contributors. *MySQL*. Nov. 2022. URL: <https://en.wikipedia.org/wiki/MySQL>.