



University of Santo Tomas
España Boulevard, Sampaloc, Manila
College of Information and Computing Sciences
Department of Information Technology



**ICS2609 - APPLICATION DEVELOPMENT &
EMERGING TECHNOLOGIES 2 (BACK-END ENTERPRISE)**

2nd Term, Academic Year 2022 - 2023

TAXXY: A TAX CALCULATOR WEB APP

Machine Problem 1

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Submitted to

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TAXXY: A TAX CALCULATOR WEB APP

Machine Problem 1

I: INTENDED LEARNING OUTCOMES

At the end of this activity, students will be able to:

- **apply** HTML and CSS skills in designing web applications;
- **use** PHP fundamentals in implementing the logic of the web application; and
- **develop** and **debug** a simple web application.

II: MACHINE PROBLEMS

The new income tax table below is applied for the year 2020 following the new BIR TRAIN, meaning, Tax Reform for Acceleration and Inclusion Act implementing the Income Tax Provisions of the Republic Act 10963. Below is the tax “annual” tax matrix.

Design a web application capable of computing for the estimated taxes of a working individual.

The web application shall have the following requirements:

- The W/A shall allow users to input the amount of salary in PHP and shall be choosing the nature of the salary (i.e., monthly or bi-monthly)
- The W/A shall compute the estimated annual salary, year-to-date tax and monthly taxes.
- Use the table below to compute for the taxes. Note: The taxes in the table are computed monthly.

New Income Tax Table 2018 - 2022

Amount of Taxable Income		Rate
Over	But Not Over	
-	250,000	0%
250,000	400,000	20% of the excess over P250,000
400,000	800,000	P30,000 + 25% of the excess over P400,000
800,000	2,000,000	P130,000 + 30% of the excess over P800,000
2,000,000	8,000,000	P490,000 + 32% of the excess over P2 Million
8,000,000		P2,410,000 + 35% of the excess over P8 Million



- Students are expected to be creative. The design below will only serve as a guide.

Taxxy: A Tax Calculator

Salary:

Type: ☐ Bi-Monthly ☐ Monthly

Compute

Annual Salary: PHP XXXXX.XX

Est. Annual tax: PHP XXXXX.XX

Est. Monthly Tax: PHP XXXXX.XX

- Below are sample computations:

Monthly Salary (PHP) : 28000.00
Annual Salary (PHP): 336,000.00

Est. Annual Tax (PHP) : 17,200.00
Est. Monthly Tax (PHP) : 1433.33

Bi-Monthly Salary (PHP) : 85,000.00
Annual Salary (PHP): 2,040,000.00

Est. Annual Tax (PHP) : 502,800.00
Est. Monthly Tax (PHP) : 41,900.00

- Your output will be graded according to:
 - Functionality** (25pts); **Layout and Design** (15 pts); **Creativity** (10pts)



III: Sample Outputs

Provide screenshots of your outputs tested with different test data. Also, include a (last) screenshot of your GitHub commits.

The screenshot displays the TAXXY web application in a browser window. The page has a dark background with a city skyline. The title "TAXXY: A TAX CALCULATOR WEB APP" is prominently displayed in yellow. Below the title, a welcome message reads: "Welcome to TAXXY, feel free to use this website to calculate your taxes!". The input section includes a text field for "Enter your salary:" and a radio button group for "Enter the salary type:" with options "Monthly" (selected) and "Bi-Monthly". A "COMPUTE" button is centered below the input fields. The output section, titled "Results:", shows the following calculations:

Category	Value
Monthly Salary	28,000.00
Annual Salary	336,000.00
Estimated Monthly Tax	1,433.33
Estimated Annual Tax	17,200.00



TAXXY

localhost/2ITGMP1/main.php

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TAXXY: A TAX CALCULATOR WEB APP

Welcome to TAXXY, feel free to use this website to calculate your taxes!

Enter your salary:

Enter the salary type: ☒ Monthly ☐ Bi-Monthly

COMPUTE

Results:

Monthly Salary: 170,000.00
Annual Salary: 2,040,000.00

Estimated Monthly Tax: 41,900.00
Estimated Annual Tax: 502,800.00

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Welcome to TAXXY, feel free to use this website to calculate your taxes!

Enter your salary:

Enter the salary type: ☒ Monthly ☐ Bi-Monthly

COMPUTE

Results:

Monthly Salary: 15,000.00
Annual Salary: 180,000.00

Estimated Monthly Tax: -27,250.00
Estimated Annual Tax: -327,000.00

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TAXXY: A TAX CALCULATOR WEB APP

Welcome to TAXXY, feel free to use this website to calculate your taxes!

Enter your salary:

Enter the salary type: ☒ Monthly ☐ Bi-Monthly

COMPUTE

Results:

Monthly Salary: 800,000.00
Annual Salary: 9,600,000.00

Estimated Monthly Tax: 247,500.00
Estimated Annual Tax: 2,970,000.00

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TAXXY: A TAX CALCULATOR WEB APP

Welcome to TAXXY, feel free to use this website to calculate your taxes!

Enter your salary:

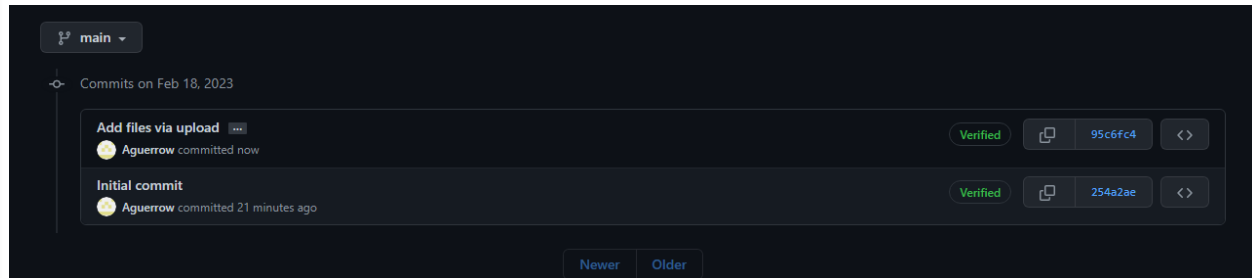
Enter the salary type: ☒ Monthly ☐ Bi-Monthly

COMPUTE

Results:

Monthly Salary: 800,000.00
Annual Salary: 9,600,000.00

Estimated Monthly Tax: 247,500.00
Estimated Annual Tax: 2,970,000.00



```
$ git status
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
        new file:   assets/calcu.php
        new file:   assets/css/design.css
        new file:   assets/images/bg1.jpg
        new file:   main.php

Studylaptop@Mikaella MINGW64 ~/Documents/2itg_Bantucan (master)
$ git commit -m "uploaded the files needed"
[master (root-commit) a1979ab] uploaded the files needed
 4 files changed, 153 insertions(+)
 create mode 100644 assets/calcu.php
 create mode 100644 assets/css/design.css
 create mode 100644 assets/images/bg1.jpg
 create mode 100644 main.php

Studylaptop@Mikaella MINGW64 ~/Documents/2itg_Bantucan (master)
$ |
```