Tishk International University
Faculty of Applied Science
Information Technology Department

Intro to PHP + Setup

Lecture 3

Fall 2025

Course Code: IT349

Grade 3

Islam Abdulazeez
islam.abdulaziz@tiu.edu.iq

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Web Programming

Outlines

- Introduction to PHP
- Laragon Setup
- Visual Studio Code Setup
- PHP Basic Syntax
- Case Sensitivity
- Comments

Learning Outcomes

- At the end of today's session, you will be able to:

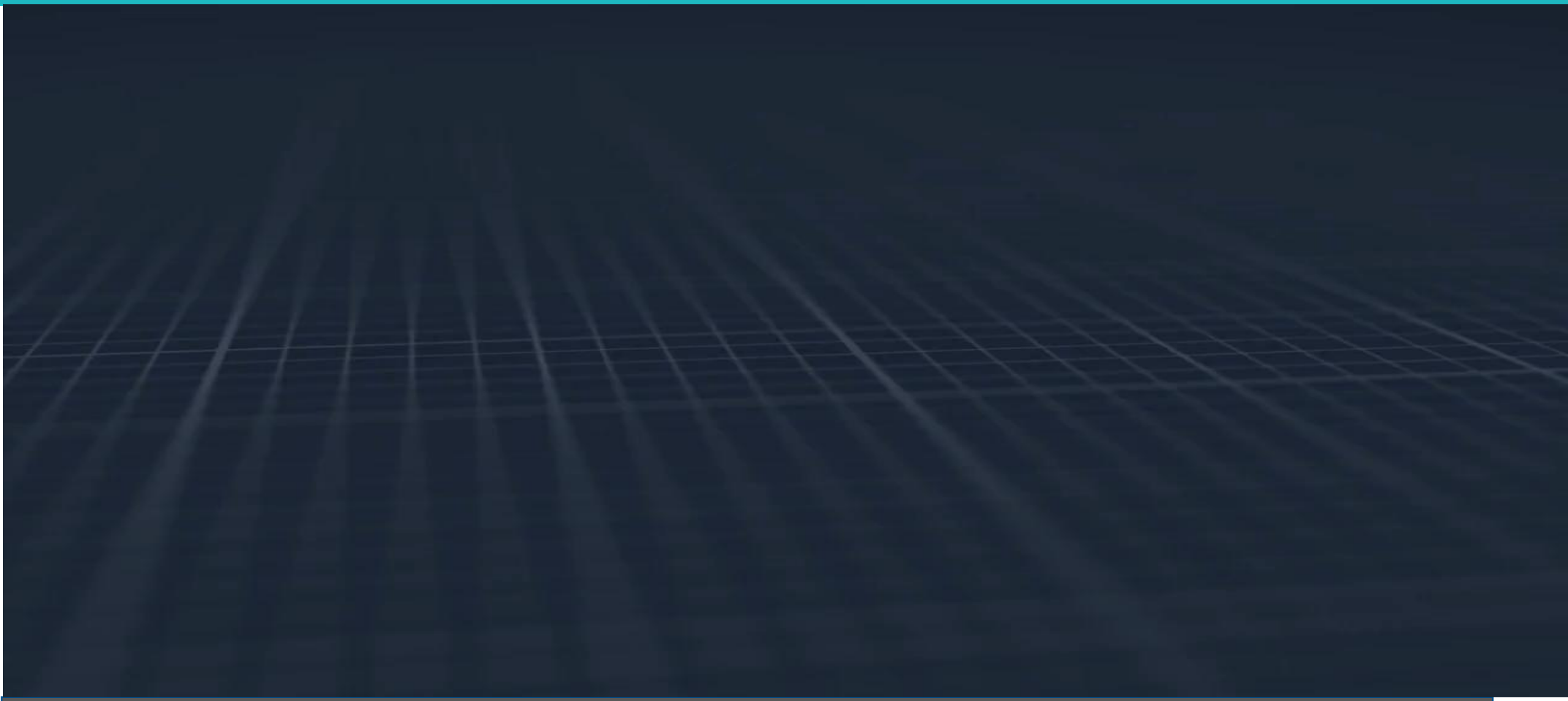
  - ✓ **Define PHP and describe its role in web development.**
  - ✓ **Implement a local PHP environment using Laragon and VS Code.**
  - ✓ **Explain PHP basic syntax, including case sensitivity and comments.**
  - ✓ **Develop simple PHP scripts using echo or print.**

Introduction to PHP

What is PHP?

- **PHP** (recursive acronym for PHP: Hypertext Preprocessor) is a widely-used open source general-purpose scripting language that is especially suited for **web development** and can be embedded into HTML.

Introduction to PHP



Introduction to PHP

Why PHP?

- It’s easy to learn and use
- It’s open source (and therefore free!)
- It’s versatile
- It enjoys community support
- It’s fast and secure
- It is well connected with databases
- It is tried and tested

Introduction to PHP

- What tools do we need?

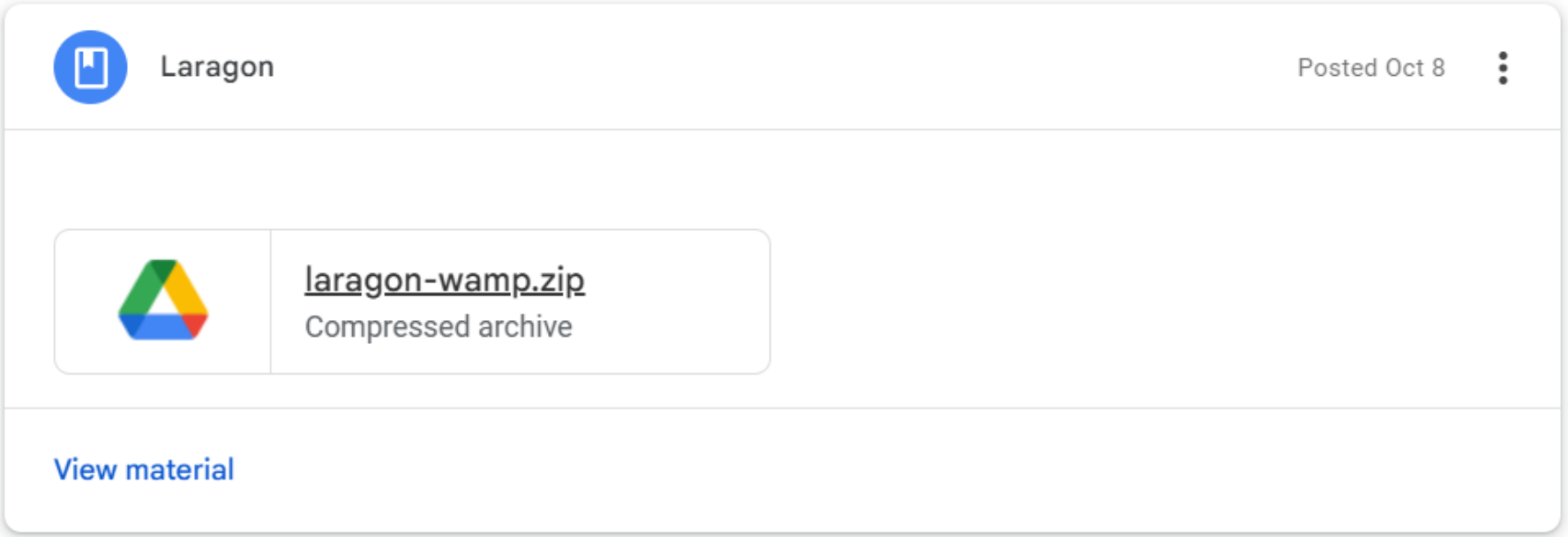
  ✓ **Laragon:** is a free and open-source local web server. Wamp server ,MAMP, LAMP and Xampp are okay.

  ✓ **Visual Studio Code (VSCode):** is a free source-code editor made by Microsoft for Windows, Linux and macOS. Features include support for debugging, syntax highlighting, intelligent code completion, snippets, code refactoring, and embedded Git.

  Atom, Sublime, Notepad++ and PHPStorm are okay.

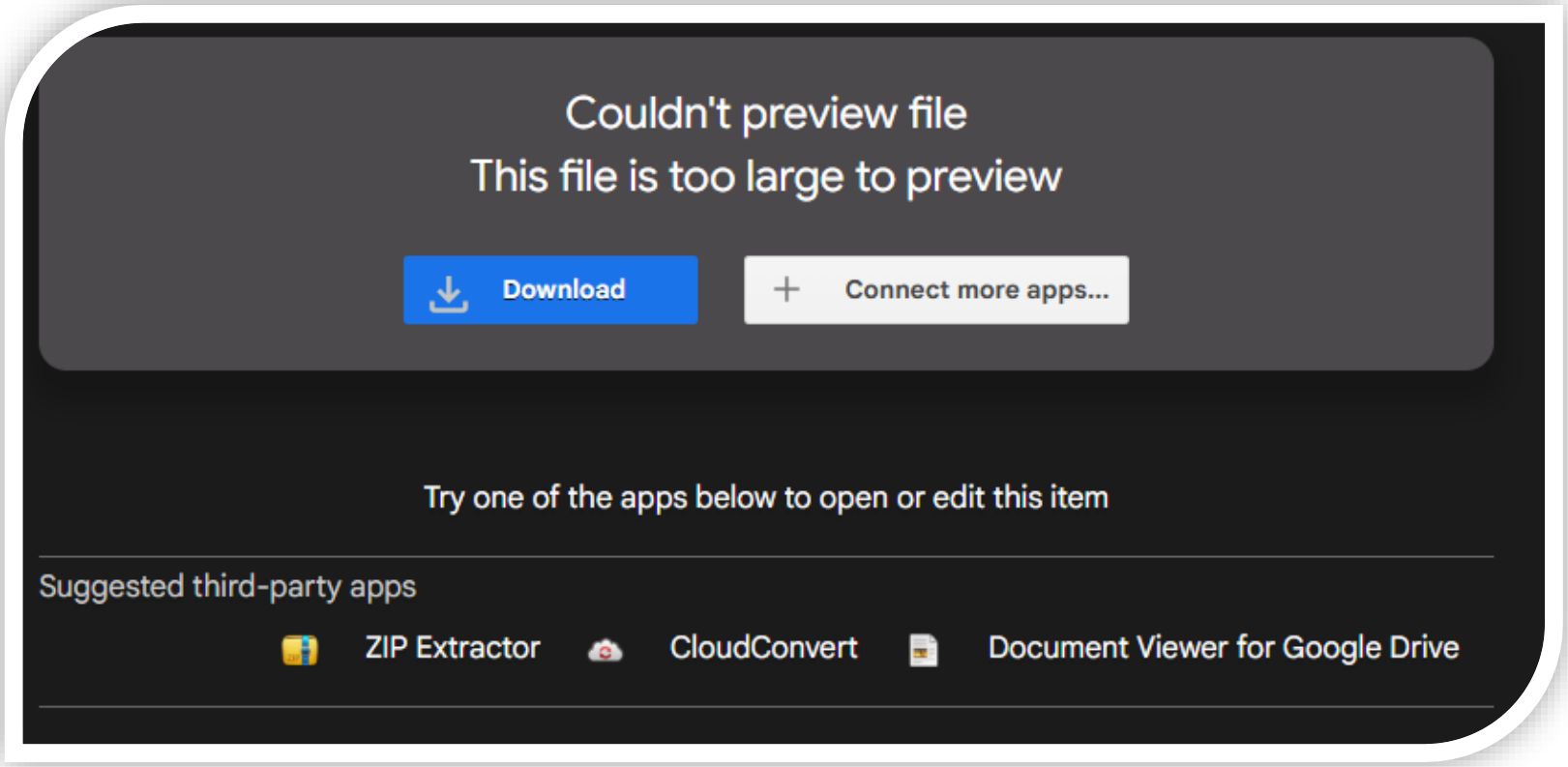
Laragon Setup

1. Open Google Classroom and find Laragon in Tools section.



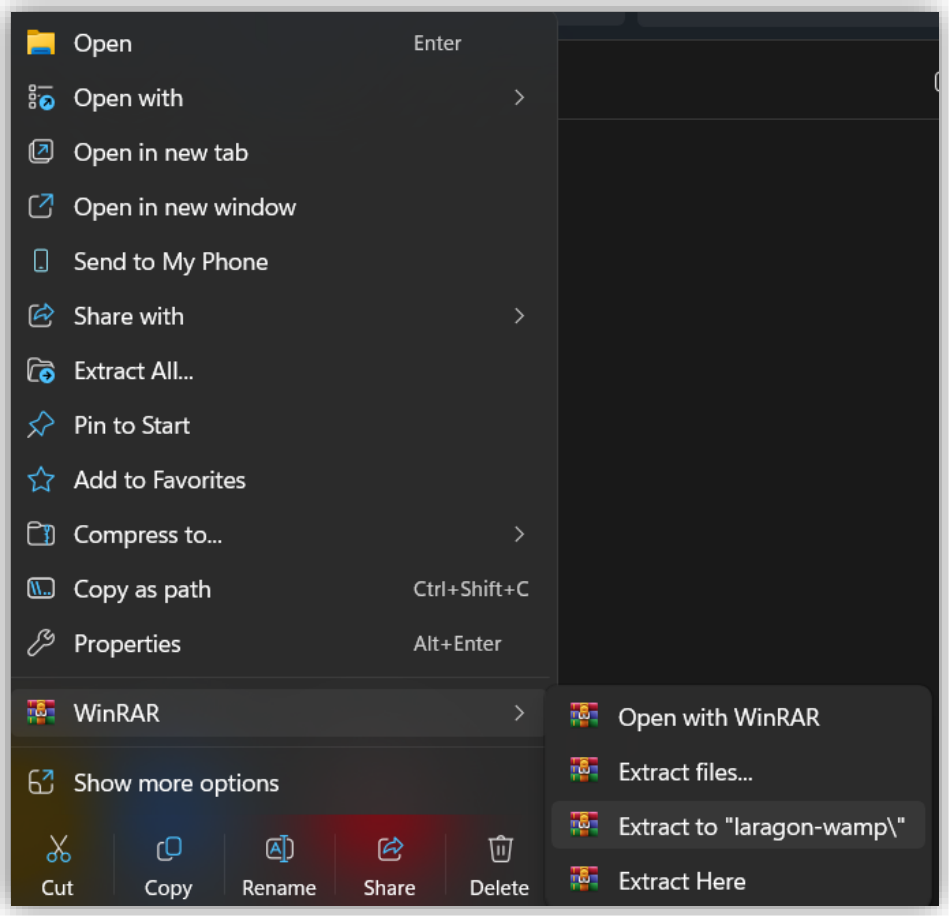
Laragon Setup

2. Download the Laragon.



Laragon Setup

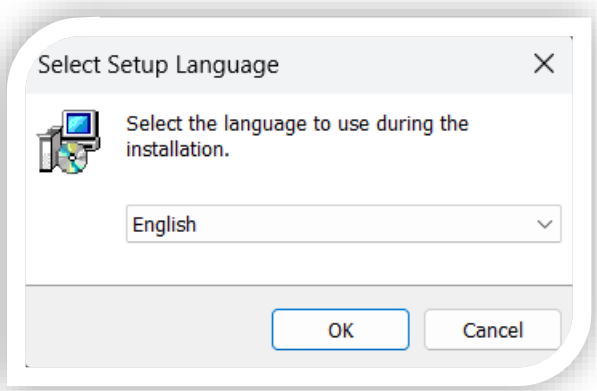
3. Click on the Laragon folder and Extract to “laragon-wamp\”.



Laragon Setup

4. Installing Steps

1



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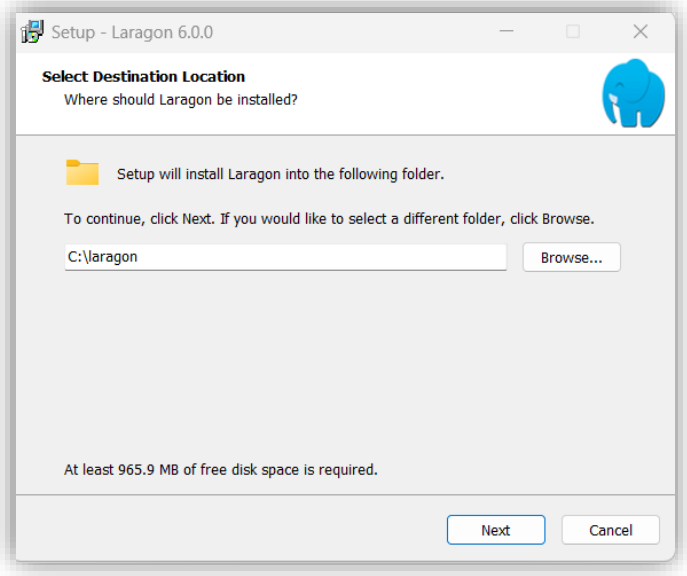

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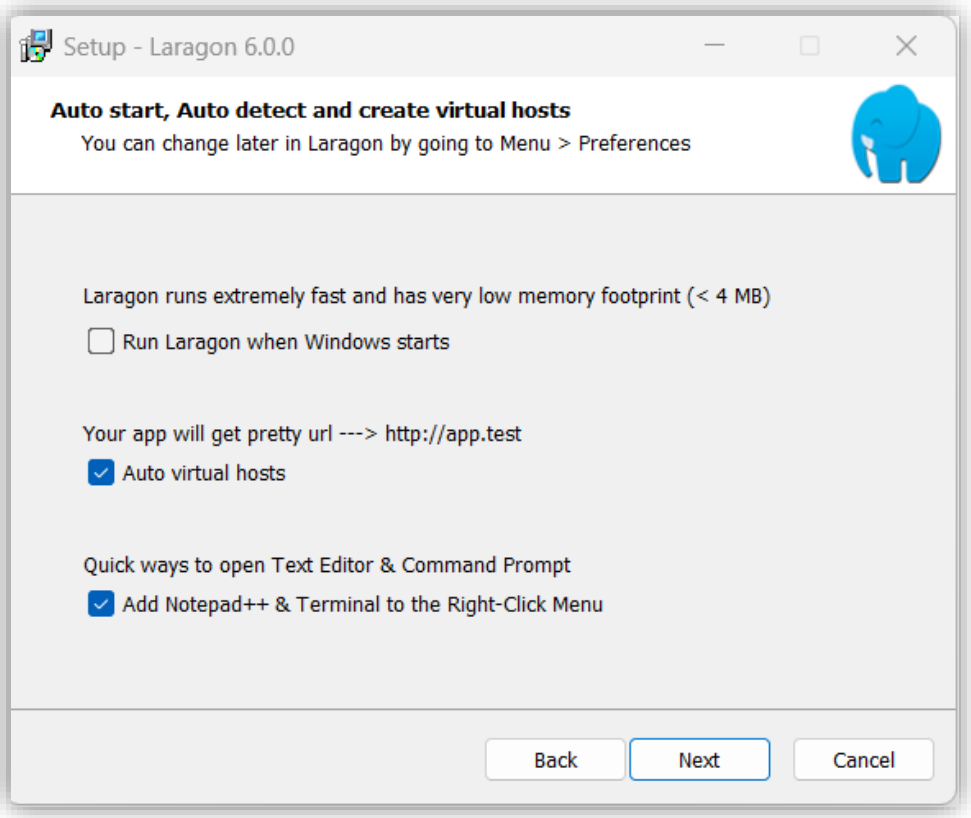
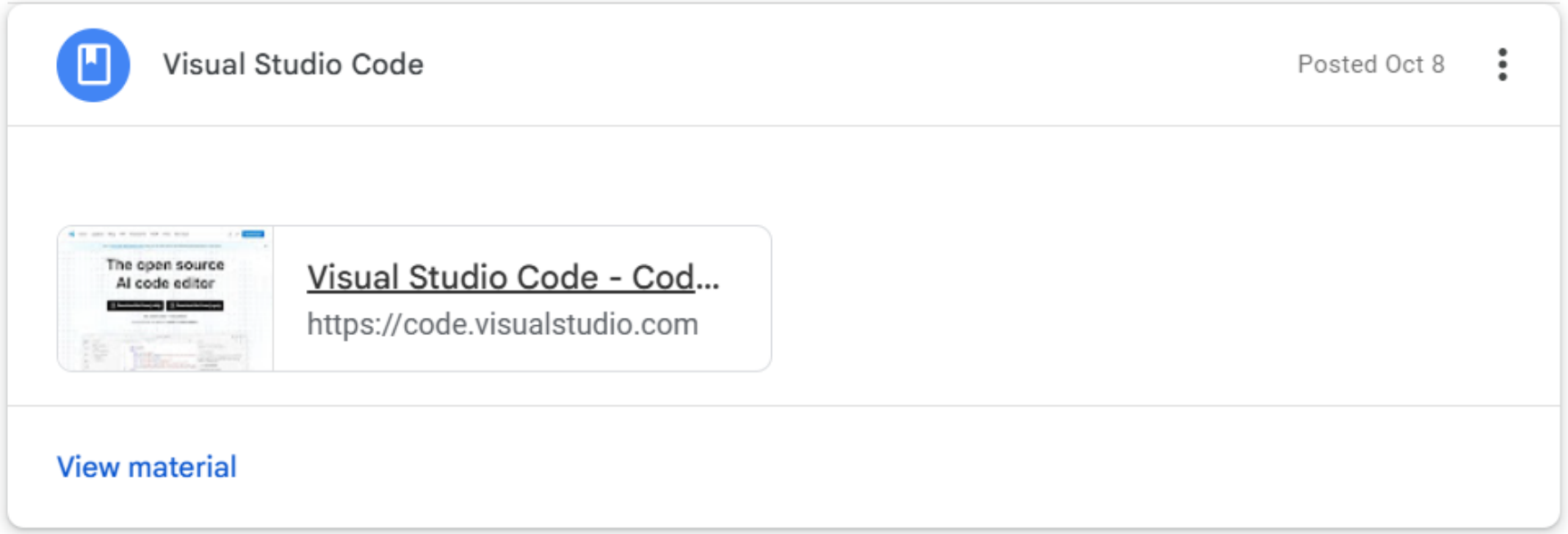


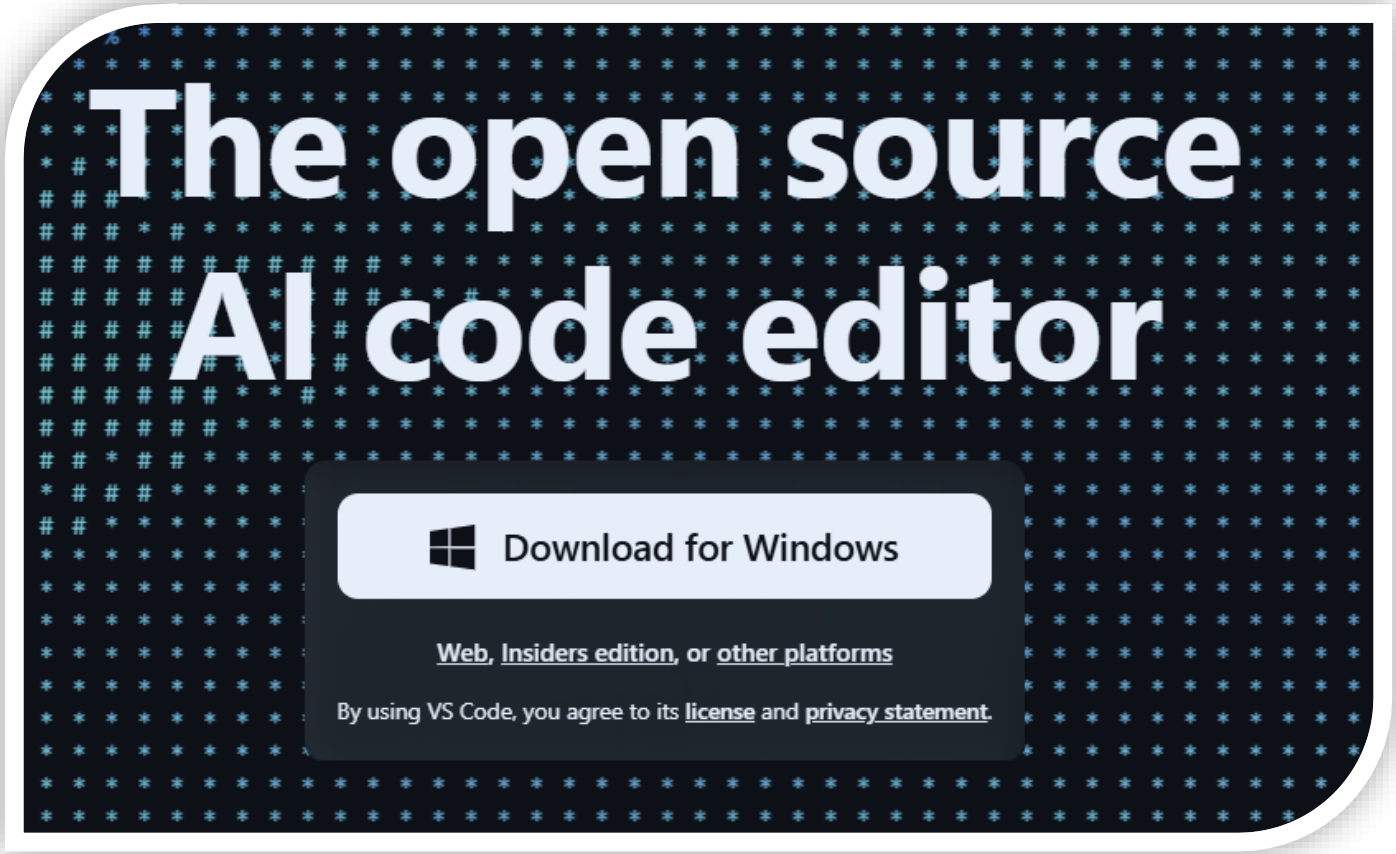
Visual Studio Code Setup

1. Open Google Classroom and find Visual Studio Code in Tools section.



Visual Studio Code Setup

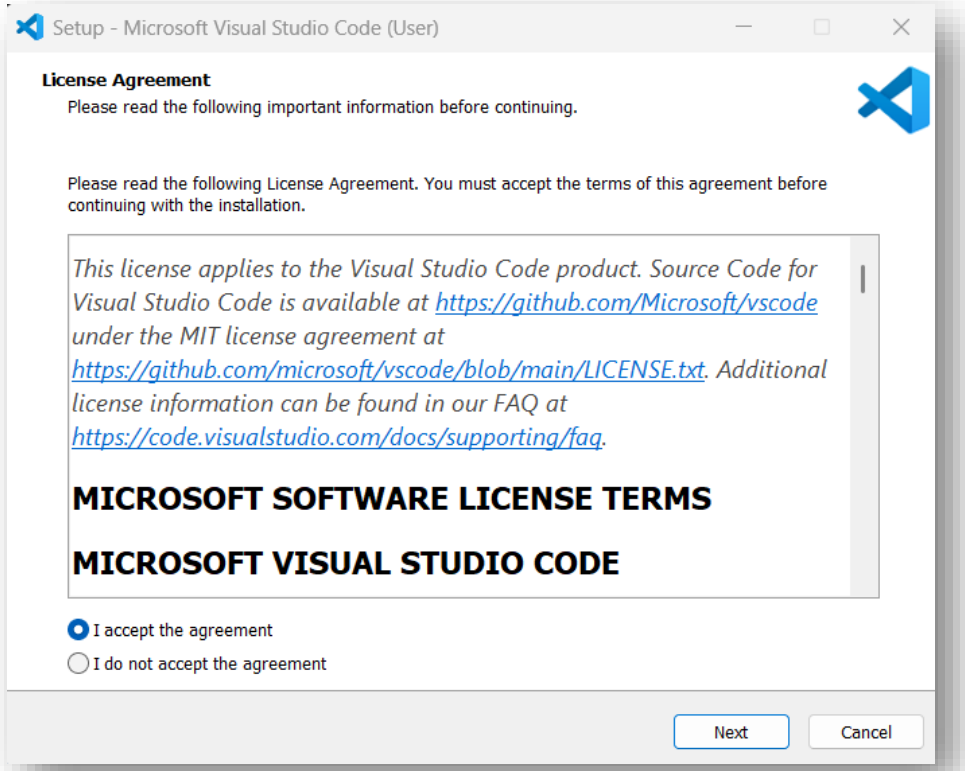
2. Download the Visual Studio Code.



Visual Studio Code Setup

3. Steps to install the Visual Studio Code.

1



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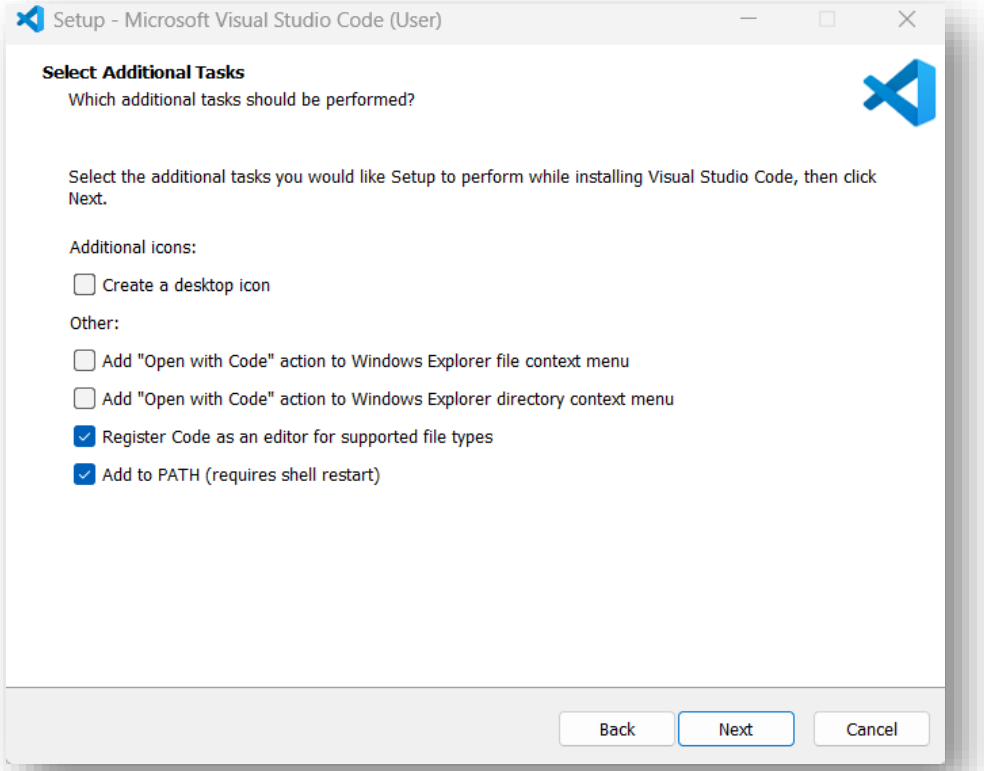

PHP Basic Syntax

- The following content could go into a file named firstCode.php
- A block or file of PHP code begins with <?php and ends with ?>

```php
<?php


?>
```

```php
<?php
echo "Hello PHP"
print "Hello PHP"
?>
```

- PHP statements, function declarations, etc. appear between these endpoints.
- You can use “print” or “echo” for printing in PHP.

PHP Basic Syntax

- Example

```php
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
</head>
<body>

    <?php
        echo "Hello PHP!";
    ?>

</body>
</html>
```

PHP Basic Syntax

```php
<?php
echo "Hello, World!";
echo "I am studying at \"TIU\" university!";

echo "You may have
line breaks but it will not be a new line.";

echo 'We can use "single-quotes" and it\'s cool!';
?>
```

Hello, World!I am studying at "TIU" university!You may have line breaks but it will not be a new line.We can use "single-quotes" and it's cool!

Case Sensitivity

- The names of user-defined classes and functions, as well as built-in constructs and keywords are case-insensitive.

```php
<?php
    Echo "Hello, World!";
    ECHO "Hello, World!";
    echo "Hello, World!";
?>
```

```php
<?php
print("hello, world");
Print("hello, world");
PRINT("hello, world");
?>
```

✓ All three lines are equivalent.

Comments

```php
<?php
# single-line comment
echo " Hello!";
// single-line comment

/*
multi-line comment
*/
?>
```

Lab Assesments and Next Lecture's Topic

Lab Assessments

- Solving Practical Questions

Next Lecture's Topic

- Variables and Pre-defined Functions

References

- Tatroe, K., & MacIntyre, P. (2020). Programming PHP: Creating dynamic web pages (4th ed.). O'Reilly Media.
- Ullman, L. (2016). PHP for the web: Visual QuickStart guide (5th ed.). Peachpit Press.
- PHP Group. (n.d.). PHP: Hypertext Preprocessor — official documentation. Retrieved October 19, 2025, from https://www.php.net

Thank You!