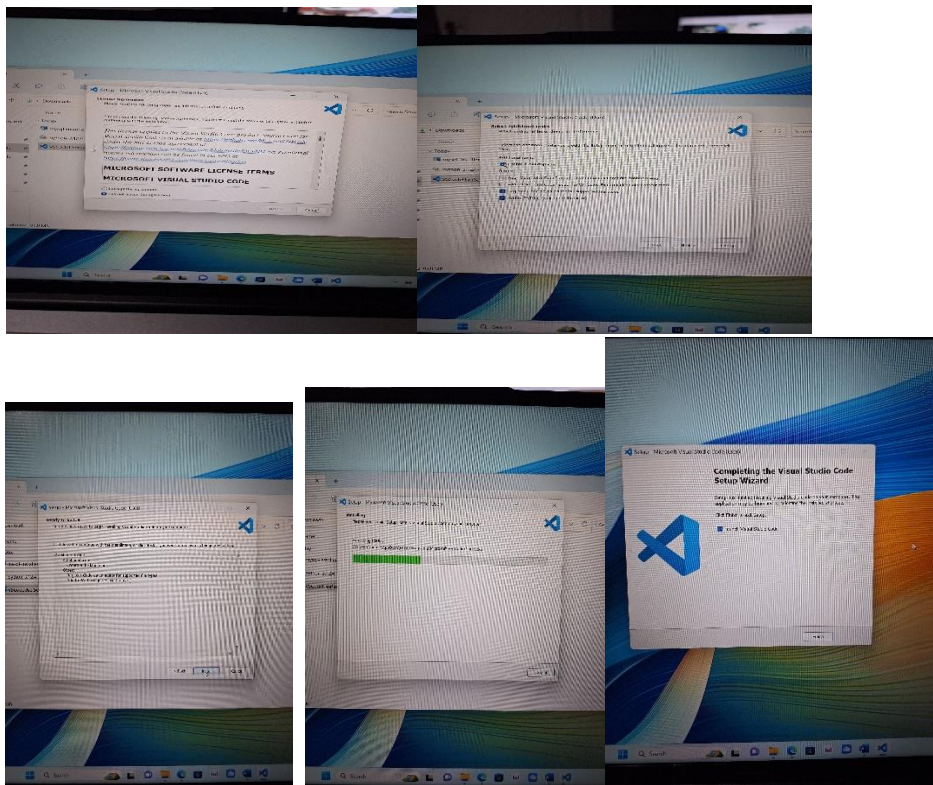# PLP ACADEMY

ASSIGNMENT 5: INSTALLATION OF VS CODE

QUESTION 1

Downloading and Installation of VS Code

- **Open a Web Browser and search for the official website of VS Code.**
- **Download the version appropriate for your OS and begin the installation once fully downloaded.**
- **A VS Code wizard will appear and respond to all the prompts required.**
- **Accept the License agreement and click next.**
- **Choose the Installation location and go next to the Additional tasks where shortcuts and paths variables are created then click Next.**
- **"Install VS code" will appear on the screen, then click Install.**
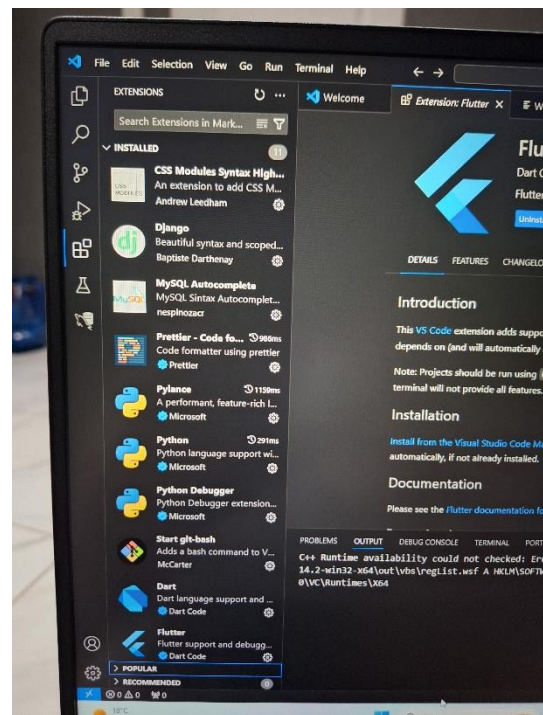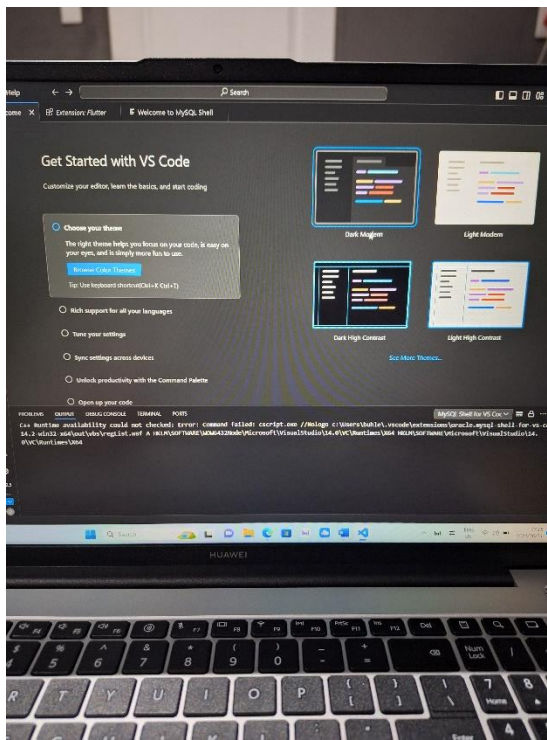- **Complete the installation by clicking finish.**

SCREENSHOTS

QUESTION 2

First -time setup

- Go through the video tutorial provided on tips and guides.
- Settings are to be synched across all devices through GitHub or Microsoft.
- Install extensions that are important like Python, Prettier or LiveServer etc..
- Choose a preferable screen theme to your liking
- Customize keybindings and also change Font size according to your taste.

SCREENSHOTS

QUESTION 3

USER INTERFACE OVERVIEW
- **There are 4 main components of the VS Code user interface which are:**
1. **Activity bar- It is located on the left side and has various views like Explorer, Search, Run, Extensions and Source Control.**
2. **Side bar- Content such as file explorer and search results are found on this bar.**
3. **Editor group- This is the crucial area where files are opened and edited.**
4. **Status bar- It is located at the bottom and has information such as current file, path, language mode etc..**

QUESTION 4
Command Palette
- **Access- Press Ctrl+Shift+p to open the palette.**
- **Common tasks- Commands such as Format Document, Open File and Preferences are part of the common tasks.**

QUESTION 5
Roles of Extensions
- **For finding and installing extensions, press Ctrl +Shift +x to open the bar of extensions then select the desired extension and install.**
- **Installed extensions maybe managed by enabling or disabling them when required.**
- **The most vital extensions for Web Development are HTML CSS Support, JavaScript,Debugger and GitLens**

QUESTIONS 6
Terminals

- Terminals can be accessed by pressing Ctrl +v. The pros of access terminal is that itbrun scripts, version control commands and other terminal tasks directly within VS Code.

QUESTION 7

Creating, opening and managing files

- Creating- A New File is opened by right clicking in the Explorer view.
- Opening- Files can be dragged and dropped into the Editor.
- Navigating- To switch between files,use the Explorer view or the Quick Open Feature.

QUESTION 8

Customising settings in VS Code

- To change theme, press File> Preferences>Color Theme
- To adjust the Font Size, Editor>Font size in the settings

QUESTION 9

Debugging

- Firstly open the file that needs debugging.
- Set breakpoints by clicking the gutter next to the line numbers.
- Open the Run view and click "start debugging" or press F5

QUESTION 10
Merging Git with VS Code

- **Initialization- Open the Source Control view and press Initialize Repisotory or type git init**
- **Commits- Make commits by entering a commit message and click the commit button.**
- **Push- Push into GitHub by adding the repository with git remote, add origin <repository url>**
- **Type git push to push changes.**

References

- **https://www.geeksforgeeks.org**
- **https://www.codechef.com**
- **https://www.visualstudio.com**
- **https://www.toolsqa.com**
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