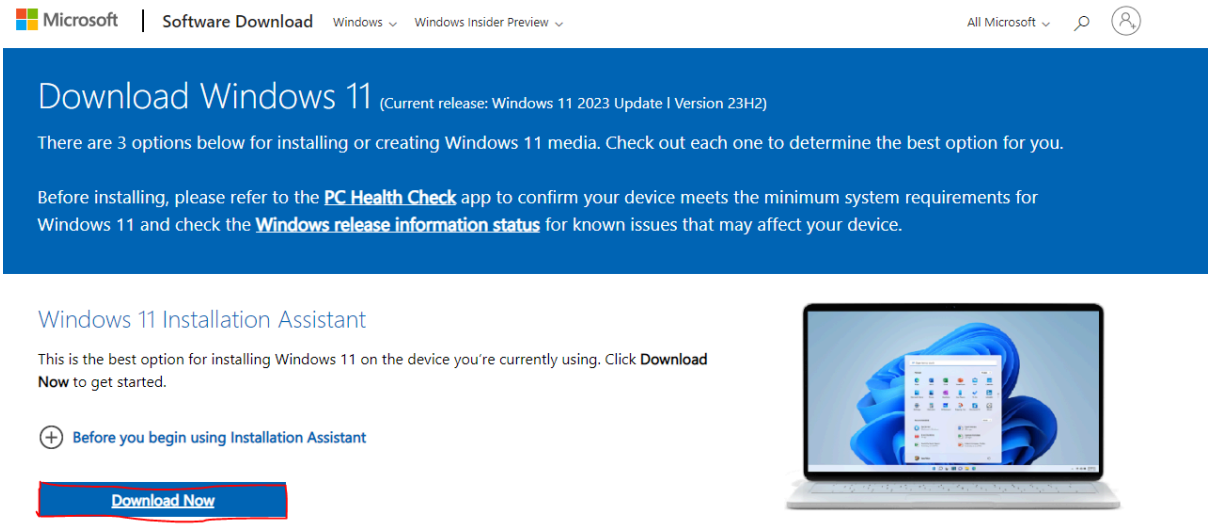
FARIDAH KANANU KABERIA WEEK 2 ASSIGNMENT 1: SETTING UP YOUR DEVELOPER ENVIRONMENT.

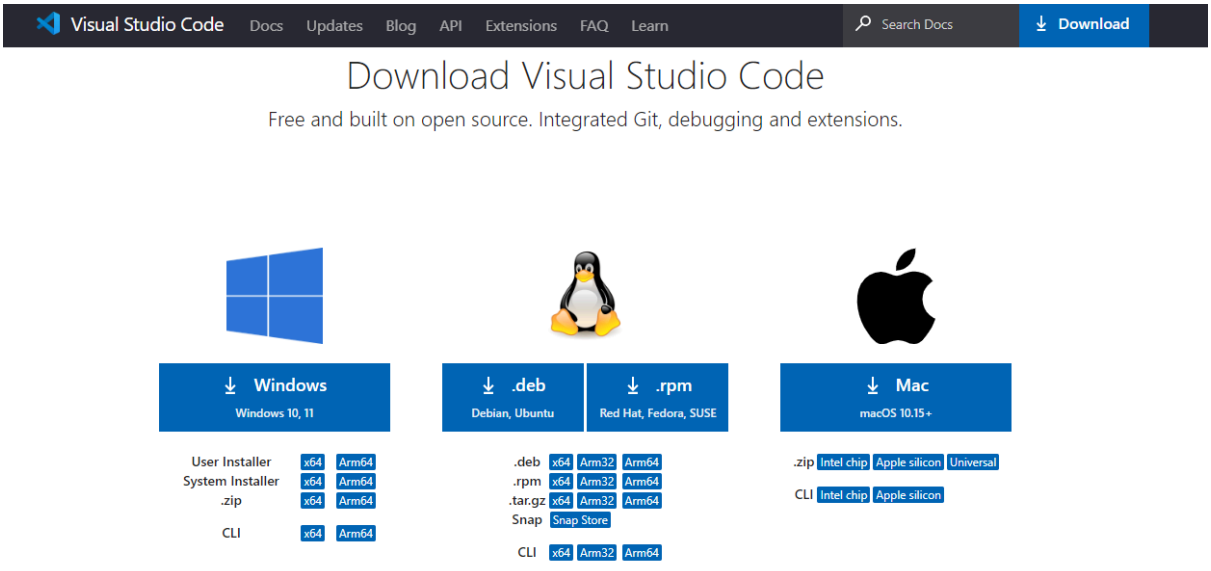
1. **Windows 11 download and installation.**

Click the download link https://www.microsoft.com/software-download/windows11 to download the windows 11 installation assistant.
Run the Windows 11 Installation assistant downloaded file (`Windows11Installer.exe`) to start the installation process.
Follow the on-screen instructions to install windows 11 or to do an upgrade if you have windows already installed.
Once the installation is completed, follow the setup wizard to configure your preferences. Sign in to your microsoft account and set up your PC.

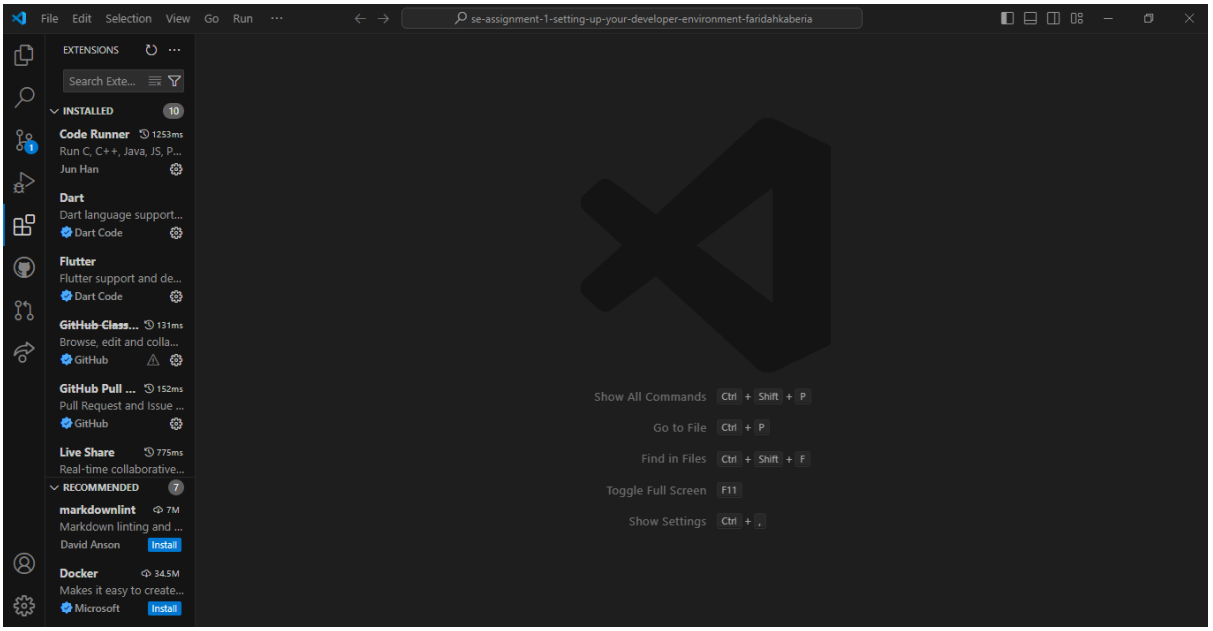


2. **Visual Studio Code installation.**

Visit Visual Studio Code official website. Or follow the download link https://code.visualstudio.com/Download.
Click the button that matches your operating system (Windows, macOS, or Linux).

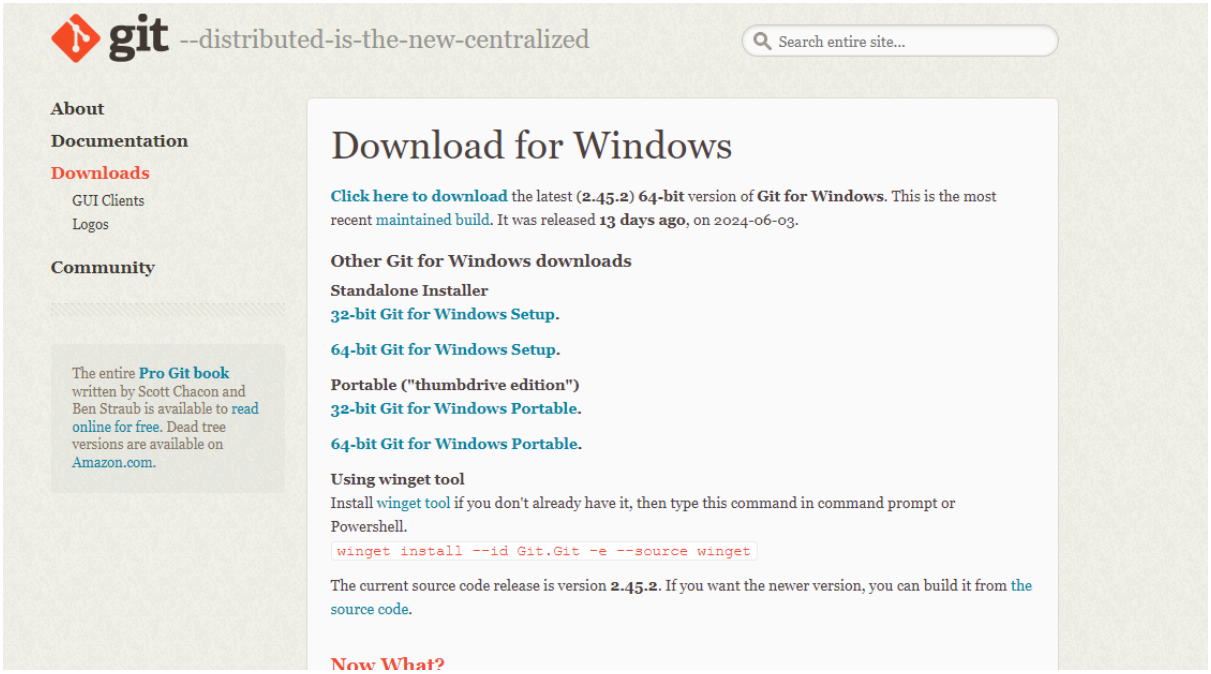


For windows, open the downloaded file once the download is complete (`VSCodeSetup.exe`) and run the installation file.
Follow the setup wizard: Accept the licence agreement , choose the location for installation (choose the default folder C:\Users\Program Files\Microsoft VS Code).
Select any additional tasks such as creating a desktop icon or adding VS Code to the PATH.
Click on “install” to complete the installation.
Once the installation is complete click on “Finish” to launch VS Code.
Search for VS Code on the start menu and click to launch it.
Once VS Code is launched you can install extensions by clicking **Ctrl+Shift+X**, customise your settings and configure your developer environment as per your needs.

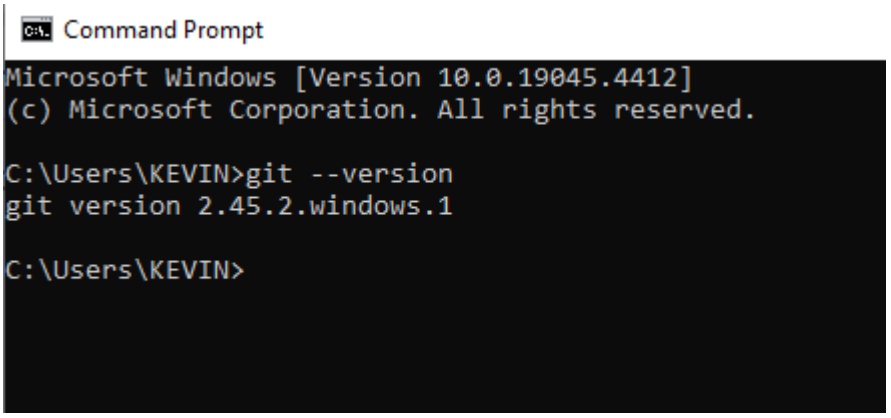


3. **Git installation and configuration and creating a GitHub account.**

Visit the Git for Windows website.

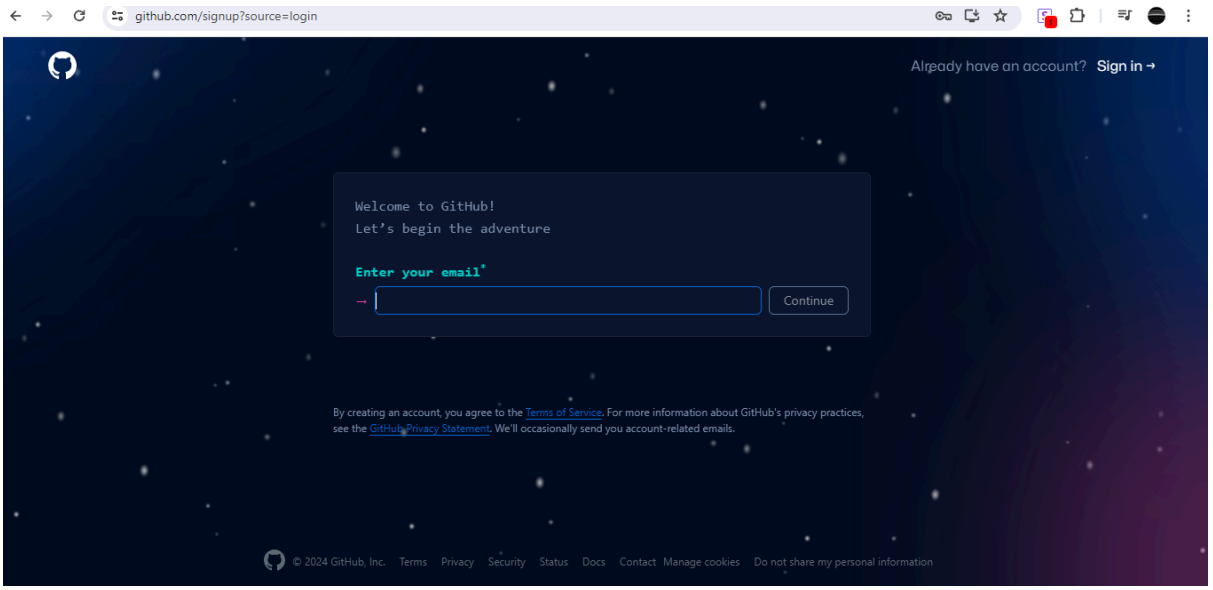


Click on the download link to get the ('**.exe**' file).
Run the installer to start the installation process and follow the setup instructions (generally use the default settings).
Select the option to add Git to your system PATH.
To verify if Git has been properly installed open Command Prompt or PowerShell and type '**git - -version**' press Enter. If it is properly installed you should see the installed git version.



After installation of Git setup your user information to be used with your commits.
I. Git initialization
git init
II. Set your Username:
git config --global user.name "Your Name"
III. Set your Email:
git config --global user.email "youremail@example.com"
then
Git config --list
IV. Set up a GitHub account.

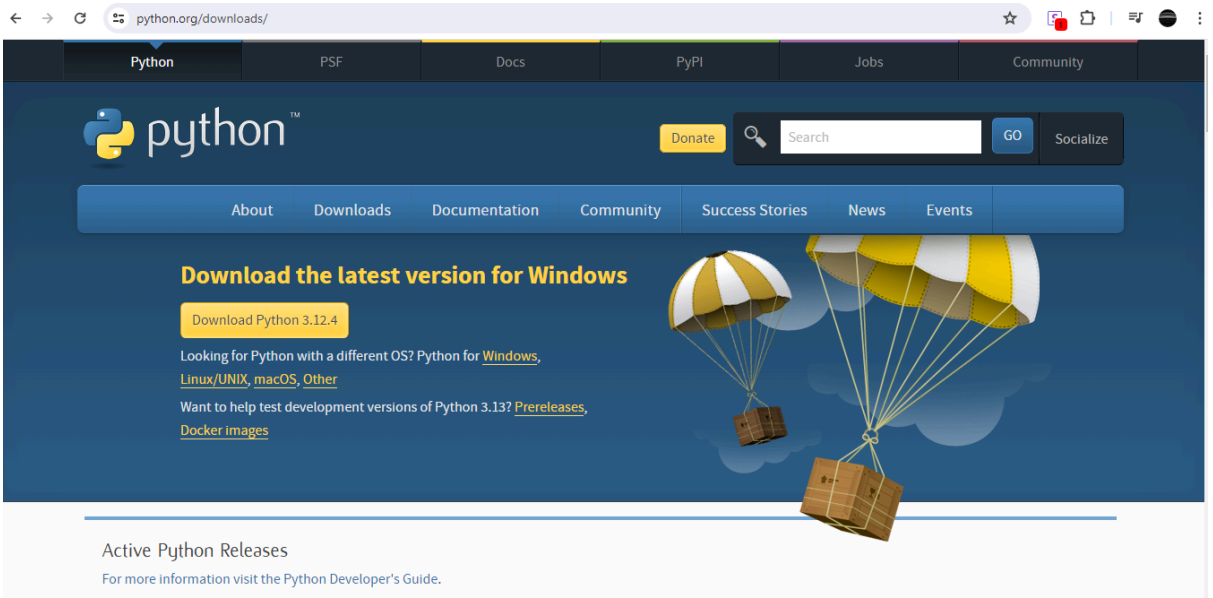
Sign Up for GitHub by visiting the GitHub website , click on “**Sign up**” on the upper right corner if you do not have a GitHub account and follow the prompts to create a new account.
Enter a valid email address.
Choose a unique username.
Choose a strong password and click the **“Create Account”** button.



Verify your email address.
Once you’re logged in , click on the “+” icon in the upper right corner and select “New repository”, Enter a repository name and description (optional), Choose between public or private repository then click “create repository”.

4. **Install necessary programming languages and runtimes: Installing Python.**

Visit the official python website https://www.python.org/downloads/.
Click the “Download Python” button and download the latest python version.

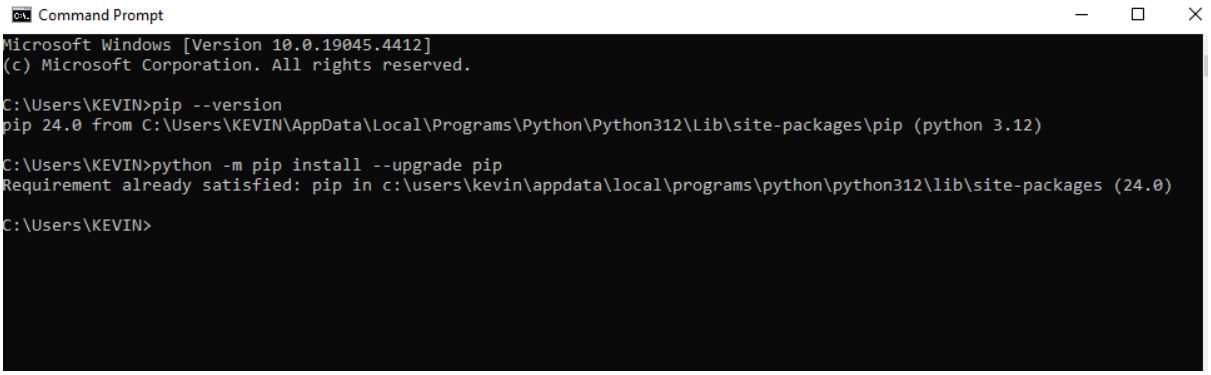


Run the download installer (`python-<version>-.exe`).
Check the box “Add Python to PATH” before clicking “Install Now” for default installation.

Follow the prompts to complete the installation.
Open command prompt and type “**python - -version**” then press Enter on your keyboard.
You will see the installed python version.

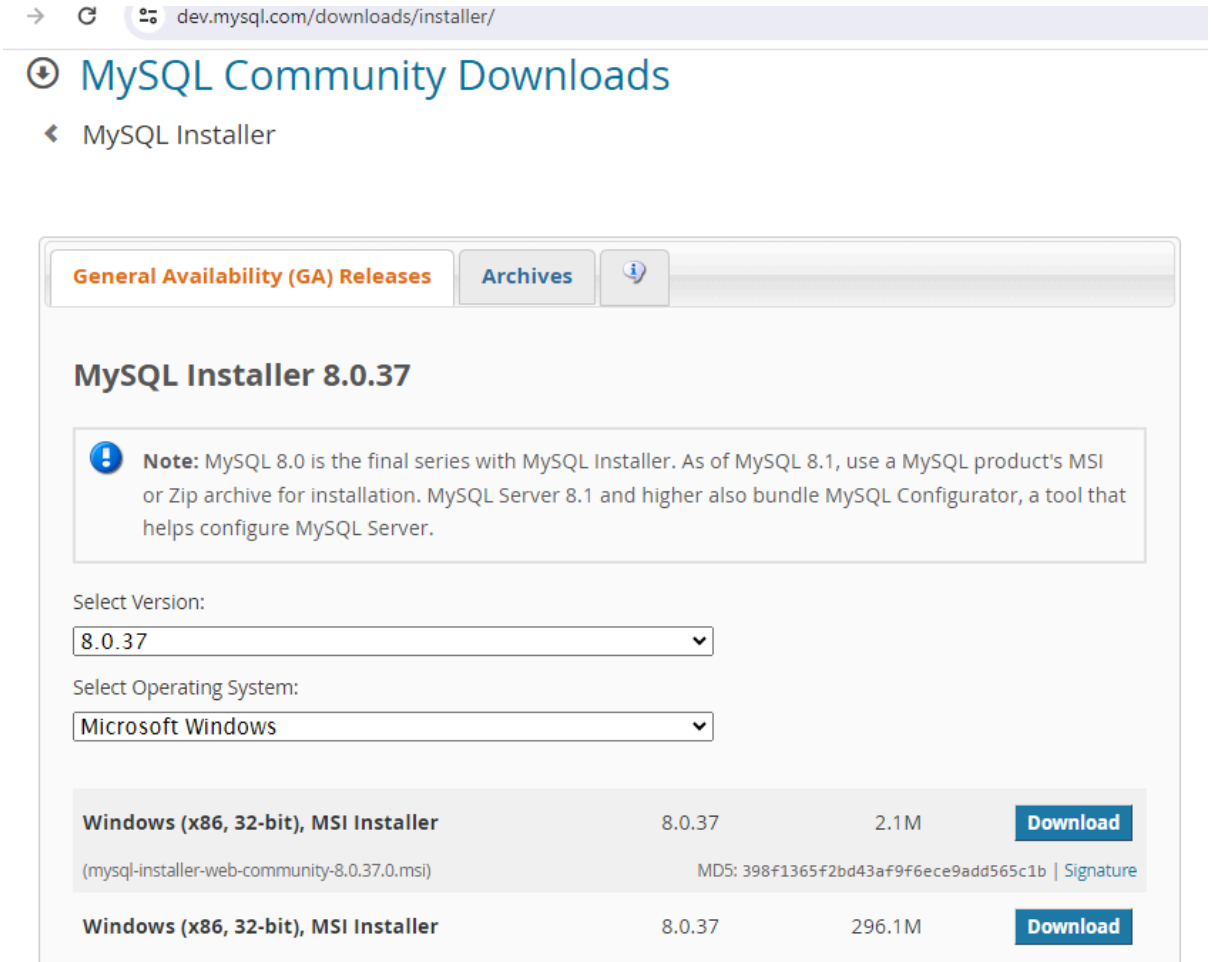
5. **Install package managers.**

Install pip is usually included with python installation from Python 3.4 and above.
To check whether pip is installed open command prompt and type “**pip - -version**” if pip is available you can type “**`python -m pip install --upgrade pip`**”



6. **Configure a Database (MySQL).**

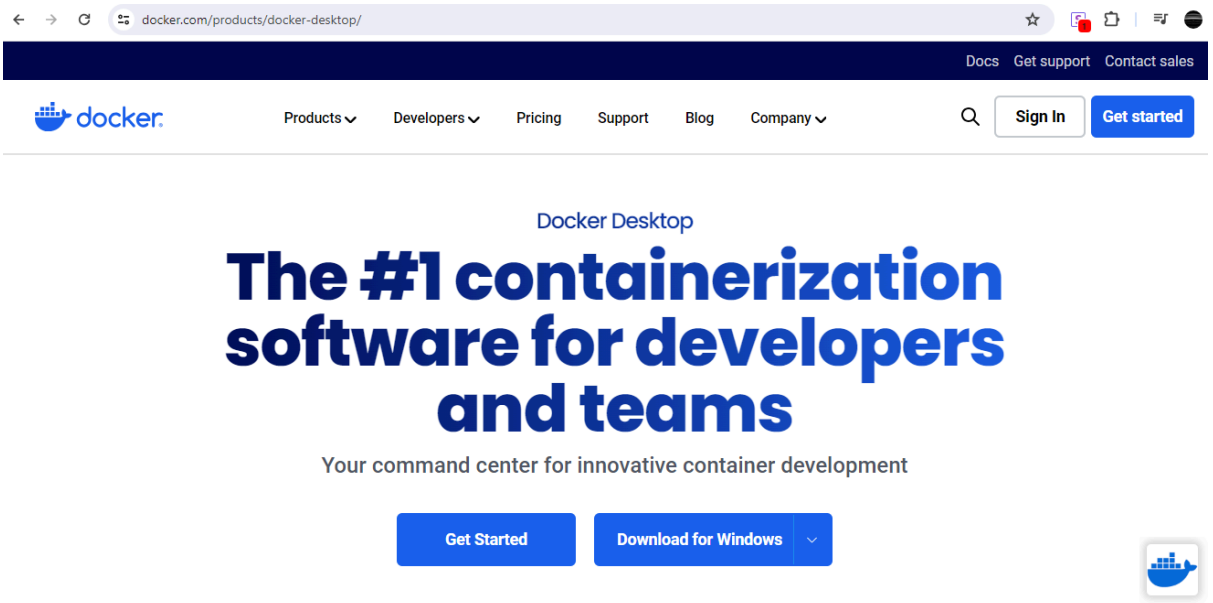
Visit the MySQL Community Downloads page https://dev.mysql.com/downloads/installer/



Download the MySQL installer for windows and run it (`mysql-installer-community-<version>.msi`).
Follow the setup wizard and choose “Developer Default”.
Configure MySQL server by setting the root password (set a password you will remember), create MySQL user accounts and configure networking options.
Click “Finish” once the installation and configuration is complete.
Open MySQL Workbench to verify.
To log into MySQL open the Windows PowerShell or Command Prompt and type ‘**mysql -u root -p**’ and enter the root password you set during configuration.

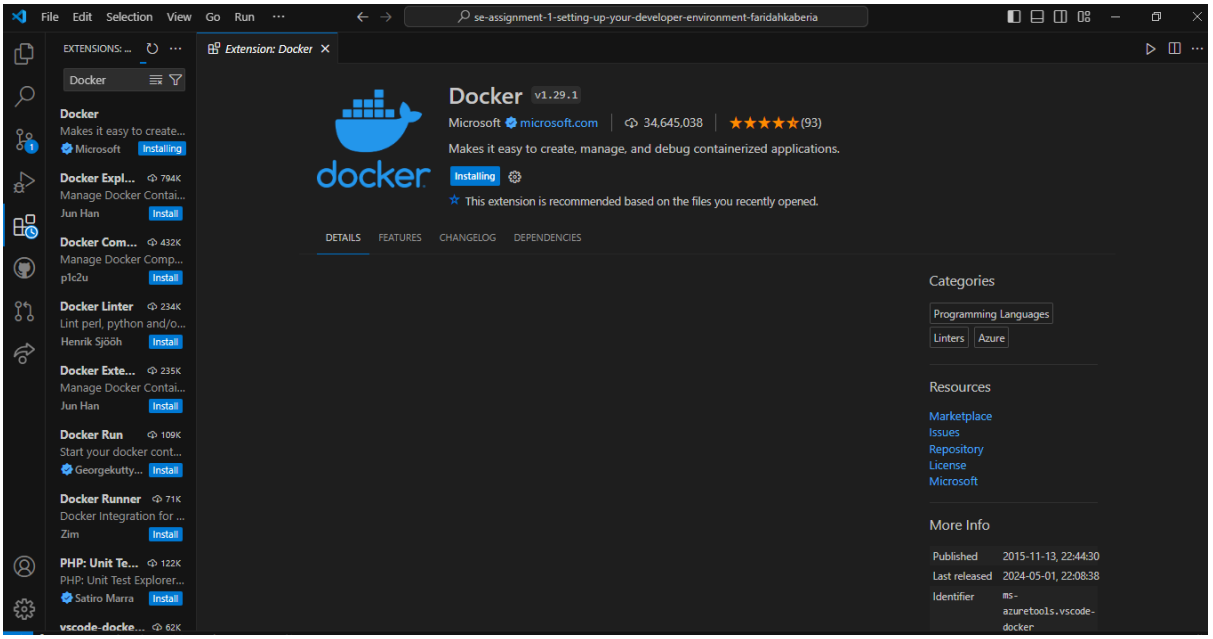
7. **Set up development environments and visualisations: Docker.**

Visit the Docker Desktop for Windows download page and click on “Download Docker Desktop for Windows”.
Open the download installer (‘**Docker Desktop Installer.exe**’).
Follow the installation wizard and ensure you check the box “Install required Windows components for WSL 2” if prompted.
Once installation is complete Docker Desktop will start automatically.
Create a Docker Hub Account if you do not have one.



8. **Explore extensions and plugins.**

Open visual studio code.
Press Ctrl+Shift+X or click on the extensions icon in the Activity bar on the left side of the window.
Search for the extensions you require on the search bar (e.g python, code runner,flutter etc).
Select the desired extension and click “Install” to add the extension.
Configure the extensions as needed.


File Edit Selection View Go Run
se-assignment-1-setting-up-your-developer-environment-faridahkaberia
EXTENSIONS: ...
Docker
Docker
Makes it easy to create...
Microsoft
Installing
Docker Expl... 794K
Manage Docker Contai...
Jun Han
Install
Docker Com... 432K
Manage Docker Comp...
p1c2u
Install
Docker Linter 234K
Lint perl, python and/o...
Henrik Sjööh
Install
Docker Exte... 235K
Manage Docker Contai...
Jun Han
Install
Docker Run 109K
Start your docker cont...
Georgekutty...
Install
Docker Runner 71K
Docker Integration for ...
Zim
Install
PHP: Unit Te... 122K
PHP: Unit Test Explorer...
Satiro Marra
Install
vscode-docke... 62K
Extension: Docker
Docker v1.29.1
Microsoft microsoft.com
34,645,038
(93)
Makes it easy to create, manage, and debug containerized applications.
Installing
This extension is recommended based on the files you recently opened.
DETAILS FEATURES CHANGELOG DEPENDENCIES
Categories
Programming Languages
Linters
Azure
Resources
Marketplace
Issues
Repository
License
Microsoft
More Info
Published 2015-11-13, 22:44:30
Last released 2024-05-01, 22:08:38
Identifier ms-azuretools.vscode-docker